

3636 N. 124<sup>th</sup> Street  
Wauwatosa, WI 53222

**Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study  
Community Within the Corridor – West Block  
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210  
BRRTS #: 02-41-587376, FID #: 341333190**



**Submitted To:**  
Ms. Jennifer Dorman  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
2300 North Martin Luther King Drive  
Milwaukee, WI, 53212

April 27, 2021

Ms. Jennifer Dorman  
Remediation and Redevelopment Program  
Wisconsin Department of Natural Resources  
2300 North Martin Luther King Drive  
Milwaukee, WI, 53212

**Project # 40443**

**Subject: Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study  
Community Within the Corridor – West Block  
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210  
BRRTS #: 02-41-587376, FID #: 341333190**

Dear Ms. Dorman:

On behalf of the Community Within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) submits this Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study for the referenced site. We request WDNR approval for implementing the Vapor Mitigation System. Please find attached a review fee for Technical Assistance in the amount of \$700. We request approval by June 10, 2021.

If we can be of further assistance in discussing this report with you, please contact us.

Sincerely,

**K. SINGH & ASSOCIATES, INC.**



Kyle R. Vander Heiden  
Staff Geologist



Robert T. Reineke, P.E.  
Project Manager



Pratap N. Singh, Ph.D., P.E.  
Principal Engineer

cc: Mr. Shane LaFave / Roers Companies  
Mr. Que El-Amin / Scott Crawford, Inc.

PRESSURE FIELD EXTENSION TESTING AND VAPOR MITIGATION SYSTEM FEASIBILITY STUDY

COMMUNITY WITHIN THE CORRIDOR – WEST BLOCK  
3212 W. CENTER ST, 2727 N. 32<sup>ND</sup> ST, AND 2758 N. 33<sup>RD</sup> ST, MILWAUKEE, WI 53210  
BRRTS # 02-41-587376, FID 3; 341333190

APRIL 27, 2021

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PROJECT #40443

PRESSURE FIELD EXTENSION TESTING AND VAPOR MITIGATION SYSTEM FEASIBILITY STUDY

COMMUNITY WITHIN THE CORRIDOR – WEST BLOCK  
3212 W. CENTER ST, 2727 N. 32<sup>ND</sup> ST, AND 2758 N. 33<sup>RD</sup> ST, MILWAUKEE, WI 53210  
BRRTS #: 02-41-587376, FID 3; 341333190

APRIL 27, 2021

I, Robert Reineke, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

*Robert E. Reineke*

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I, Pratap Singh, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

*Pratap Singh*

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## EXECUTIVE SUMMARY

### Project Background

Historically, the Community Within the Corridor – West Block (site) located at 3212 W. Center Street, 2727 N. 32<sup>nd</sup> Street, and 2758 N. 33<sup>rd</sup> Street served various industrial purposes for over 100 years. The facility was recently used as storage and is currently vacant but construction for redevelopment started in February 2021 which entails affordable housing, commercial space, and other amenities in the former industrial complex. No demolition of the existing buildings is planned, building interiors will be renovated and reconfigured.

KSingh performed a Phase II Environmental Site Assessment (ESA) to identify and provide information regarding potential impacts within the facility from historical land use in April 2020. Soil borings B-1 to B-6 were performed to depths of ten to twenty feet (below ground surface) bgs on April 10, 2020, to assess areas of contamination in the facility. Soil samples were collected and analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) metals, and polychlorinated biphenyls (PCBs). The RCRA metal arsenic was detected above the industrial direct contact protection Residual Contaminant Levels (RCLs) but below the established background threshold value. All other detections were below respective groundwater protection RCLs. Groundwater was not encountered in any of the borings.

Based on the elevated levels of Chlorinated VOCs (CVOCs) in the Community Within the Corridor - East Block, a sub-slab vapor investigation of the West Block facility was requested by WDNR.

### Soil and Vapor Investigation

Between March and April of 2021, sub-slab vapor samples and soil samples were collected throughout the West Block facility. Concentrations from sampling activities identified impacts beneath the sub-surface for future mitigation efforts.

Twenty-five (25) sub-slab vapor (SSV) points were installed at the West Block and tested for VOCs. Vapor results indicated the following:

- Tetrachloroethene (PCE) was detected at concentrations exceeding the Residential VRSL of 1400 ug/m<sup>3</sup> at WB-SS-7 and at WB-SS-19.
- Trichloroethene (TCE) was detected at concentrations exceeding the Residential VRSL of 70 ug/m<sup>3</sup> at WB-SS-4 and WB-SS-7.
- 1,4-Dioxane, a known constituent of chlorinated solvents, was detected at concentrations exceeding the Residential Vapor Risk Screening Level (VRSL) of 18 micrograms per cubic meter (ug/m<sup>3</sup>) at WB-SS-3.
- M&p-Xylene was detected at concentrations exceeding the Residential VRSL of 333 ug/m<sup>3</sup> at WB-SS-23.
- No Large Commercial / Industrial VRSLs were exceeded.

Seventeen soil samples (WB-Int-1 to WB-Int-17) were collected between April 2 and April 5, 2021 and analyzed for VOCs and PCBs. TestAmerica analyzed the samples in accordance with EPA Methods 8260B and 8082A.

- PCE was detected in soil samples WB-Int-6 and WB-Int-7 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.

- TCE was detected in soil samples WB-Int-7 and WB-Int-11 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- PCB-1248 was detected in soil samples WB-Int-13, WB-Int-14, and WB-Int-17 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1254 was detected in soil samples WB-Int-1, WB-Int-2, WB-Int-3, and WB-Int-4 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg, and in WB-Int-16 exceeding the Non-Industrial Direct Contact RCL of 0.239 mg/Kg.
- No Industrial Direct Contact RCLs were exceeded.
- Methylene chloride was detected in multiple samples exceeding its Groundwater Protection RCL of 0.0026 mg/Kg, but also detected in the collected trip blank. Methylene Chloride is a common laboratory artifact and was detected in the method blank for the analysis. Therefore, Methylene Chloride is not considered to be present.

Two representative trench samples have been collected to assist with estimating mass removal during excavations for underground plumbing as part of reconstruction and are collected every 300 linear feet of trenched length. RTS-1 was collected on March 3, 2021 and analyzed for VOCs, SVOCs, PCBs, and RCRA-Metals. RTS-2 was collected on April 6, 2021 and analyzed for VOCs and PCBs by Eurofins-TestAmerica.

The findings from the Representative trench sample collections were as follows:

- PCE was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.
- TCE was detected in RTS-1 and RTS-2 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- Benzene was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0051 mg/Kg.
- PCB-1242 was detected in RTS-1 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1254 was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- Arsenic was detected in RTS-1 exceeding its Industrial Direct Contact RCL of 3 mg/Kg, but under the established Background Threshold Value of 8.3 mg/Kg.

Based on the results of SSV sampling, limited areas of Residential VRSL exceedances for chlorinated solvents and other VOCs have been detected and delineated. Soil analytical testing indicates limited areas containing chlorinated solvents. PCB contamination appears widespread over the facility, generally over the Groundwater Protection RCL. Based on the levels of vapors and soil contamination, vapor mitigation of the known areas of vapor contamination is recommended. The concrete floor of the facility will be restored following construction and maintained as an engineered barrier to prevent direct contact.

### Pressure Field Extension Test

To design a mitigation system for the site, K Singh penetrated the existing sub-slab at three (3) locations throughout the facility to act as vapor extraction points for Pressure Field Extension (PFE) testing. Temporary negative pressure points were also installed to collect negative pressure measurements during testing. Upon completion of PFE testing, field measurements were tabulated into a semi-log plot to determine the radius of influence observed at each extraction point to the extent of -0.004 inches of water column (inH<sub>2</sub>O) (or 1 Pascal). The calculated radius of influence at each location is as follows:

- WB-VE-1      14.6 feet South  
                    20.0 feet East
- WB-VE-2      20.0 feet South  
                    20.0 feet East
- WB-VE-3      20.0 feet North

24.8 feet West

Based on the collected PFE data, various vacuums will have to be sustained throughout the facility to actively mitigate areas of known vapor contamination.

### **Recommended Mitigation System**

The following recommendations are made for the installation of mitigation systems via Sub-Slab Depressurization to manage sub-slab vapors containing CVOCs and VOCs. A total of fourteen (14) vapor extraction points are proposed in Buildings 4, 7, 8A, and 8B.

- Building 4's SSDS will be comprised of two (2) vapor extraction point locations routed to one (1) GP501c series fan to mitigate the identified m&p-Xylene concentration in sub-slab vapors.
- Building 7's SSDS will be comprised of five (5) vapor extraction point locations routed to two (2) HS2000 series fans to mitigate the identified PCE and TCE concentrations in sub-slab vapors.
- Building 8A will be comprised of four (4) vapor extraction point locations routed to two (2) HS3000 series fans to mitigate the identified TCE concentration in sub-slab vapors. Changes to reconstruction plans in Building 8A will now entail replacing the current wood flooring with poured concrete; it is recommended that a 10-mil membrane be laid atop subsoils prior to installation of the concrete flooring to act as an engineered barrier.
- Building 8B will be comprised of three (3) vapor extraction point locations routed to two (2) HS3000 series fans to mitigate the identified 1,4-Dioxane concentration in sub-slab vapors.
- All exhaust venting will be at least 24 inches above the roof line and 12 feet away from windows. Each vapor extraction point will have individual ball valves and ports to adjust flow velocity and measure negative pressure and air flow. Each mitigation fan will have its own dedicated circuit.

Following the completion of construction of engineered barriers and installation of Sub-Slab Depressurization Systems in the facility, a Vapor Mitigation System Installation Report will be submitted to the WDNR which will outline post-construction sub-slab vapor sampling plans, long term operation, maintenance and monitoring (OM&M), and continuing obligations for the active SSDS.

A commissioning plan will be prepared and submitted for this project following completion of construction of the facility's mitigation system. Maintenance plans will be submitted as part of the Post-Closure Modification Process with the Remedial Action Documentation Report. Regular inspection, operation, and maintenance will be part of Continuing Obligations for the SSDS and will continue indefinitely into the foreseeable future.

## SECTION I. BACKGROUND INFORMATION

### 1.1 Introduction

### 1.2 Site Description and Location

The Community Within the Corridor is located at 3212 W. Center Street, 2727 N. 32<sup>nd</sup> Street, and 2758 N. 33<sup>rd</sup> Street, formerly owned by Wisconsin Industries Pension Plan & Trust and Jonas Co.

The property is in the Southwest  $\frac{1}{4}$ , of the Northeast  $\frac{1}{4}$ , of Section 13, Township 7 North, Range 22 East, and the elevation of the site ranges between 700 to 710 feet mean sea level (MSL). The overall topography of the site area slopes gradually to the east. Groundwater generally follows the topography and likely flows to the east, towards Lake Michigan. However, the local groundwater flow is determined to be west based on the Wisconsin Department of Natural Resources (WDNRs) Bureau of Remediation and Redevelopment Tracking System (BRRTS) closed sites within the East Block.

The West Block property has the following WTM Coordinates (approximate center of subject site):  
WTMX 686,534  
WTMY 290,491

The property is owned by Community Within the Corridor Limited Partnership. K Singh obtained acreage and zoning information from the Milwaukee County Land Information System database available online (1, 2). The property total approximately 2.83 acres and are all zoned as IM – Industrial Mixed.

### 1.3 Proposed Project Plans

As of February 2021, plans have construction has been underway to redevelop the former industrial property into affordable housing, commercial space, and other amenities. Redevelopment is anticipated to be completed in 2022.

### 1.4 Property Owner and Responsible Party Information

Community Within the Corridor Limited Partnership  
Attn: Mr. Shane LaFave  
110 Cheshire Lane, Suite 120  
Minnetonka, MN 55305  
Office: (763) 285-8795  
Cell Phone: (763) 300-1861  
[shane@roerscompanies.com](mailto:shane@roerscompanies.com)

### 1.5 Consultant Information

The project manager for the site investigation is:

Mr. Robert Reineke, P.E.  
K. Singh & Associates, Inc.  
3636 North 124<sup>th</sup> Street, Wauwatosa, WI 53222

(262) 821-1171 ext. 111  
[reineke@ksinghengineering.com](mailto:reineke@ksinghengineering.com)

## 1.6 Regulatory Status of Site

A release at the site has been reported to the WDNR. The WDNR assigned the West Block BRRTS # 02-41-587376. The WDNR holds regulatory jurisdiction over the remediation of the property.

## 1.7 Geologic and Hydrogeologic Characteristics

Geologic and hydrogeologic characteristics of the site were identified in KSingh's Phase II Environmental Site Assessment dated May 24, 2020 (3).

The overall topography of the site area slopes gradually to the east. Groundwater generally follows the topography and likely flows to the east, towards Lake Michigan. However, the local groundwater flow is determined to be west based on the Wisconsin Department of Natural Resources (WDNRs) Bureau of Remediation and Redevelopment Tracking System (BRRTS) closed sites within the East Block.

## 1.8 Summary of Nature and Extent of Contamination

KSingh performed a Phase II Environmental Site Assessment (ESA) to identify and provide information regarding potential impacts within the facility from historical land use in April 2020. Soil borings B-1 to B-6 were performed to depths of ten to twenty feet (below ground surface) bgs on April 10, 2020, to assess areas of contamination in the West Block of the facility. Soil samples were collected and analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) metals, and polychlorinated biphenyls (PCBs). The RCRA metal arsenic was detected above the industrial direct contact protection Residual Contaminant Levels (RCLs) but below the established background threshold value. All other detections were below respective Groundwater Protection RCLs. Groundwater was not encountered in any of the borings.

On June 25, 2020, three soil borings (B-13 to B-15) were advanced to depths of two feet bgs via hand-auger methods. Soil samples were collected and analyzed for Per- and Polyfluoroalkyl Substances (PFAS). No PFAS contamination was detected exceeding established RCLs.

Site investigation activities were performed to evaluate sub-slab vapor (SSV) and soil quality conditions within the footprint of the existing buildings.

Fourteen (14) initial sub-slab vapor sampling locations (WB-SS-1 to WB-SS-14) were installed March 1, 2021 and sampled March 2, 2021. Synergy Environmental Lab, Inc. (Synergy) analyzed the samples in accordance with EPA Method TO-15.

Findings of the SSV sampling activities March 2, 2021 are described as follows:

- 1,4-Dioxane, a known constituent of chlorinated VOCs (CVOCs), was detected at concentrations exceeding the Residential Vapor Risk Screening Level (VRSL) of 18 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) at WB-SS-3.

- Tetrachloroethene (PCE) was detected at concentrations exceeding the Residential VRSL of 1400 ug/m<sup>3</sup> at WB-SS-7.
- Trichloroethene (TCE) was detected at concentrations exceeding the Residential VRSL of 70 ug/m<sup>3</sup> at WB-SS-4 and WB-SS-7.
- No Large Commercial / Industrial VRSLs were detected.

In addition to SSV, soil sampling at five (5) of the fourteen (14) SSV sampling locations were collected March 2, 2021 after SSV sampling was completed. WB-SS-2, WB-SS-6, and WB-SS-12 were analyzed for VOCs. WB-SS-6 and WB-SS-14 were analyzed for VOCs and PCBs. Eurofins TestAmerica Laboratories, Inc. (TestAmerica) analyzed the samples in accordance with EPA Methods 8260B and 8082A.

The findings of the soil activities were described as follows:

- 1,2-Dichlorobenzene was detected in soil sample WB-SS-2 exceeding its Groundwater protection RCL of 1.168 milligrams per kilogram (mg/Kg).
- 1,4-Dichlorobenzene was detected in soil sample WB-SS-2 exceeding its Groundwater protection RCL of 0.144 mg/Kg.
- Benzene was detected in soil sample WB-SS-14 exceeding its Groundwater Protection RCL of 0.0051 mg/Kg.
- PCE was detected in soil sample WB-SS-2 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.
- TCE was detected in soil sample WB-SS-2 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- PCB-1254 was detected in soil samples WB-SS-6 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg, and in WB-SS-14 exceeding the Industrial Direct Contact RCL of 1.000 mg/Kg.

Based on the findings of the SSV and soil sampling activities performed March 2, 2021 and elevated levels of chlorinated volatile organic compounds (CVOCs) and VOCs detected in the Community of the Corridor – East Block, additional SSV and soil sampling was recommended to determine extents of VOC and PCB contamination by the WDNR.

Additional site investigation activities to determining extents of contaminants occurred April 1, 2021 to April 5, 2021.

Eleven (11) additional SSV sampling locations (WB-SS-15 to WB-SS-25) were installed and sampled April 1, 2021. Synergy analyzed the samples in accordance with EPA Method TO-15.

Findings from the SSV sampling activities April 1, 2021 are described as follows:

- PCE was detected at concentrations exceeding the Residential VRSL of 1400 ug/m<sup>3</sup> at WB-SS-19.
- M&p-Xylene was detected at concentrations exceeding the Residential VRSL of 333 ug/m<sup>3</sup> at WB-SS-23.
- No Large Commercial / Industrial VRSLs were exceeded.

Seventeen soil samples (WB-Int-1 to WB-Int-17) were collected April 2 to April 5, 2021 and analyzed for VOCs and PCBs. TestAmerica analyzed the samples in accordance with EPA Methods 8260B and 8082A.

- PCE was detected in soil samples WB-Int-6 and WB-Int-7 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.

- TCE was detected in soil samples WB-Int-7 and WB-Int-11 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- PCB-1248 was detected in soil samples WB-Int-13, WB-Int-14, and WB-Int-17 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1254 was detected in soil samples WB-Int-1, WB-Int-2, WB-Int-3, and WB-Int-4 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg, and in WB-Int-16 exceeding the Non-Industrial Direct Contact RCL of 0.239 mg/Kg.
- No Industrial Direct Contact RCLs were detected.
- Methylene chloride was detected in multiple samples exceeding its Groundwater Protection RCL of 0.0026 mg/Kg, but also detected in the collected trip blank. Methylene Chloride is a common laboratory artifact and was detected in the method blank for the analysis. Therefore, Methylene Chloride is not considered to be present.

Representative trench samples have been collected to assist with estimating mass removal during excavations for underground plumbing as part of reconstruction and are collected every 300 linear feet of trenched length.

RTS-1 was collected on March 3, 2021 and analyzed for VOCs, SVOCs, PCBs, and RCRA-Metals. RTS-2 was collected on April 6, 2021 and analyzed for VOCs and PCBs. Test America analyzed the samples in accordance with EPA Methods 8260B, 8270D, 8082A, 6010B, and 7471A.

The findings from the Representative trench sample collections were as follows:

- Benzene was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0051 mg/Kg.
- PCE was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.
- TCE was detected in RTS-1 and RTS-2 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- PCB-1242 was detected in RTS-1 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1254 was detected in RTS-2 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- Arsenic was detected in RTS-1 exceeding its Industrial Direct Contact RCL of 3 mg/Kg, but under the established Background Threshold Value of 8.3 mg/Kg.

Results of all SSV sampling to date are shown in Table 1. SSV results for contaminants of concern are summarized in Table 2. SSV sampling locations are shown on Figure 2. SSV Sampling Results are shown on Figure 3. Isoconcentration plumes for SSV exceedances are shown on Figure 4. Laboratory SSV analytical results are included in Appendix A.

Results of all soil sampling to date are shown in Table 3. Soil results for contaminants of concern are summarized in Table 4. PFAS analytical results are shown in Table 5. Soil sampling locations are shown on Figure 5. Soil sampling results are shown on Figure 6. Extents of RCL exceedances are shown on Figure 7. Laboratory soil analytical results are included in Appendix B.

Based on the findings from SSV and soil sampling, vapor mitigation is recommended in sections of Building 4, Building 7, Building 8A, and Building 8B of the facility due to the presence of chlorinated solvents and the solvent m&p-Xylene at concentrations greater than Residential VRSLs. Construction of engineered barriers is also recommended in Building 8A.

## SECTION II. PRESSURE FIELD EXTENSION TESTING AND PRELIMINARY DESIGN

### 2.1 Pressure Field Extension Testing

KSingh performed pressure field extension (PFE) testing on April 8 and April 9, 2021. Three (3) temporary vapor extraction points were advanced through the concrete slab in Buildings 7 and 8 of the facility. Concrete thickness varied between 6 and 10.8 inches. Locations of the vapor extraction points are shown on Figure 8. Approximately 1.125 cubic feet of soil was removed beneath the slab at each location to act as a suction pit during testing. Subsurface soils were classified to assist with evaluation of the mitigation design.

- Extraction point WB-VE-1 located in the northern portion of Building 8B consisted of a 10.8-inch concrete slab overlaying brown silty-clay with sand. Some gravel was encountered.
- Extraction point WB-VE-2 located in the northern portion of Building 7 consisted of an 8-inch concrete slab overlaying light brown well-graded sands with gravel and cobbles.
- Extraction point WB-VE-3 located in the southern portion of Building 7 consisted of a 6-inch concrete slab overlaying brown sand with some gravel to 16 inches below ground surface. From 16 inches to the bottom of the extraction point, observed fill changed from brown to dark grey.

Temporary negative pressure points were installed into the concrete slab in ten-foot increments from each extraction point to determine the zone of influence during testing. The negative pressure points were installed by installing Vapor Pins into 5/8-inch surface penetrations.

Three separate tests were performed as follows:

- A GP501c series mitigation fan (fan) was selected to perform the PFE testing.
- Three-inch schedule-40 piping was run between each extraction point and fan.
- The piping run had two ports installed to measure negative pressure, air velocity, and temperature during testing.
- The port which air velocity and temperature was measured was 12 duct-diameters downstream of the vapor extraction point and 7-duct diameters upstream from the fan to limit turbulent flow.
- Upon initialization of testing, vacuum was applied to the vapor extraction point and field measurements were collected across the slab after the first 5 minutes and every 10 minutes thereafter until a minimum of 45 minutes of readings were collected or when measurements appeared to stabilize.
- A dual-input digital micromanometer (model TP 621) with a resolution of 0.001 inches of water column (inH<sub>2</sub>O) was used to measure negative pressure.
- A thermo-anemometer (model 471B-1) capable of measuring air velocities up to 6000 feet-per-minute (FPM) was used to measure flow velocity and temperature.

Data collected during PFE testing is summarized in Appendix C. The resulting PFE from testing is shown on Figure 9. The calculated radii of influence are as follows:

- WB-VE-1      14.6 feet to the South  
                    20.0 feet to the East
- WB-VE-2      20.0 feet to the South  
                    20.0 feet to the East
- WB-VE-3      40.0 feet to the North  
                    24.8 feet to the West

## 2.2 Limitations to Pressure Field Extension Testing

Active reconstruction activities are currently underway throughout the facility. PFE testing could not be performed in Buildings 4 or 5 due to multiple concrete slab penetrations for underground plumbing installations. Abnormal negative pressures and/or short-circuiting during testing would have resulted due to the extents of open penetrations. PFE testing could not be performed in Building 8A due to its present slab-on-grade type. Wood flooring directly overlays subsoils in the majority of this location.

## 2.3 Evaluation of Mitigation Designs

The findings from the PFE testing were evaluated by KSingh resulting in choosing design of Sub-Slab Depressurization Systems (SSDSs) throughout the facility. The number and placement of vapor extraction points and the number and type of mitigation fan were chosen to achieve sufficient zones of influence beneath the sub-slab in areas past the extent of known soil and vapor contamination that would otherwise have the potential to cause acute or chronic health effects if not properly mitigated.

Findings from PFE testing concluded vacuum must be maintained or increased in differing areas of the facility to achieve necessary zones of influence in impacted areas. The typical flow velocity and static pressure recommended for the fan used during testing is 4 cubic feet-per minute (CFM) and -3.8 inH<sub>2</sub>O, respectively. Actual flow velocities were somewhat lower than the recommended operating specifications, ranging between 1.4 to 5.0 CFM. Actual static pressures were slightly higher, exceeding the recommended operating pressure by 104 to 108 percent. The increased static pressures and slightly lower flow velocities supports a hypotheses of somewhat low permeability or moderately dense subsoils beneath the concrete slab.

KSingh proposes installation of the following SSDS designs throughout the facility:

### Building 8A

Current floor plans for reconstruction in Building 8A are being revised; plans will be to remove the hardwood flooring and pour concrete flooring, estimated to be six inches thick. A 10 mil submembrane is recommended to be installed ahead of pouring the concrete slab. Exposed subsoils will be screened with a photo-ionization detector (PID) during removal of the wood flooring for possible hotspot removal.

Two RadonAway HS3000 mitigation fans, or equivalent, shall be installed, capable of -21 inH<sub>2</sub>O at a flow rate of 19 CFM. TCE is the sole contaminant of concern, concentrated in the southern section of Building 8A. Each fan will be paired with two extraction points (EP-1 to EP-4), effective in depressurizing sub-slab vapors in areas of known TCE concentrations.

### Building 8B

A RadonAway HS3000 mitigation fan, or equivalent, shall be installed, capable of -21 inH<sub>2</sub>O at a flow rate of 19 CFM. 1,4-Dioxane is the sole contaminant of concern, isolated in the northern section of Building 8B. To mitigate the extent of 1,4-Dioxane, three vapor extraction points (EP-5 to EP-7) will be effective in depressurizing sub-slab vapors beneath the much of the building footprint.

### Building 7

Two RadonAway HS2000 mitigation fans, or equivalent, shall be installed, capable of -14 inH<sub>2</sub>O at a flow rate of 24 CFM. Tetrachloroethene (PCE) and TCE are the contaminants of concern. Five vapor extraction points (EP-8 to EP-12) will be effective in depressurizing sub-slab vapors in areas of known PCE and TCE concentrations. EP-8 and EP-9 will be assigned to the first HS2000 fan and EP-10, EP-11, and EP-12 will be assigned to the second HS2000 fan. Pairing of vapor extraction points was chosen based on the zone of influence encountered during PFE testing being more favorable in the southern portions of Building 7.

#### Building 6

No vapor mitigation is recommended to occur in building 6. Sub-slab vapors were not detected during the sub-slab vapor investigation exceeding residential vapor risk screening levels.

#### Building 5

No vapor mitigation is recommended to occur in building 6. Sub-slab vapors were not detected during the sub-slab vapor investigation exceeding residential vapor risk screening levels.

#### Building 4

One GP501c mitigation fan, or equivalent, shall be installed, capable of -3.8 inH<sub>2</sub>O at a flow rate of 4 to 13 CFM. M&p-Xylene is the sole contaminant of concern, isolated in the north-central portion of Building 4. Two vapor extraction points (EP-13 and EP-14) will be effective in depressurizing sub-slab vapors in areas of known m&p-Xylene concentrations. Building 4 is a single story complex; occupant use is to solely be commercial.

#### Criteria Applicable for all Sub-Slab Depressurization System Locations

Vapor extraction point penetrations into the concrete slab shall be no less than 3.5 inches in diameter. At each vapor extraction point, a sump pit will be dug into the underlying soil; a minimum of 2.250 cubic feet of material shall be removed, then backfilled with gravel. Pipe rises and runs shall be 3-inch schedule-40 PVC pipe. Piping shall be pitched at a minimum of 1.5% toward extraction point to distribute any condensate vertically. All gaps or penetrations evident in the concrete surface, including the extraction point, shall be sealed to prevent any pressure loss. Ball valves will be installed on each individual pipe run to balance depressurization across the slab. Ports will be installed in each individual pipe run to measure static pressure and air flow rates. The mitigation fan may be installed on the roof or building exterior as reconstruction plans permit. Exhaust venting from the fan must be discharged 2 feet above the roof and/or 12 feet from any window. All valves and PVC fittings between the vapor extraction point and the venting point shall be sealed with solvent welds. Each fan will be equipped with electrical disconnects in the vicinity of each fan location. Independent electrical circuits will be assigned for each mitigation fan in electrical control panels.

Calculated radii of influence specific to each mitigation fan and observed subsurface conditions:

- HS3000 in Buildings 8A/8B - 20.0 feet North and South  
30.0 feet East and West
- HS2000 in Building 7 - 40.0 feet North and South  
30.0 feet East and West
- GP501c in Building 4 - 14.5 feet North and South  
20.0 feet East and West

Further details related to mitigation fan and piping selections and specifications are included in Appendix C. The proposed vapor mitigation layout is shown on Figures 10 and 11.

## SECTION III. CONCLUSIONS AND RECOMMENDATIONS

### 3.1 Conclusions

The findings from all SSV sampling activities are described as follows:

- 1,4-Dioxane, a known constituent of CVOCs, was detected at concentrations exceeding the Residential VRSL of 18 ug/m<sup>3</sup> at WB-SS-3
- PCE was detected at concentrations exceeding the Residential VRSL of 1400 ug/m<sup>3</sup> at WB-SS-7 and WB-SS-19.
- TCE was detected at concentrations exceeding the Residential VRSL of 70 ug/m<sup>3</sup> at WB-SS-4 and WB-SS-7.
- M&p-Xylene was detected at concentrations exceeding the Residential VRSL of 333 ug/m<sup>3</sup> at WB-SS-23.
- No Large Commercial / Industrial VRSLs were detected throughout the facility.

The findings from all soil sampling activities are described as follows:

- 1,2-Dichlorobenzene was detected in soil sample WB-SS-2 exceeding its Groundwater protection RCL of 1.168 milligrams per kilogram (mg/Kg).
- 1,4-Dichlorobenzene was detected in soil sample WB-SS-2 exceeding its Groundwater protection RCL of 0.144 mg/Kg.
- Benzene was detected in soil samples WB-SS-14 and RTS-2 exceeding its Groundwater Protection RCL of 0.0051 mg/Kg.
- PCE was detected in soil samples WB-SS-2, WB-Int-6, WB-Int-7, WB-Int-11, and RTS-2 exceeding its Groundwater Protection RCL of 0.0045 mg/Kg.
- TCE was detected in soil samples WB-SS-2, WB-Int-7, WB-Int-11, RTS-1, and RTS-2 exceeding its Groundwater Protection RCL of 0.0036 mg/Kg.
- PCB-1242 was detected in soil sample RTS-1 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1248 was detected in soil samples WB-Int-13, WB-Int-14, and WB-Int-17 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg.
- PCB-1254 was detected in soil samples WB-SS-6, WB-Int-1, WB-Int-2, WB-Int-3, WB-Int-4, and RTS-2 exceeding its Groundwater Protection RCL of 0.0094 mg/Kg, and in WB-Int-16 exceeding the Non-Industrial Direct Contact RCL of 0.239 mg/Kg.
- Arsenic was detected in RTS-1 exceeding its Industrial Direct Contact RCL of 3 mg/Kg, but under the established Background Threshold Value of 8.3 mg/Kg.

Based on the results from the sub-surface investigation, it was determined that vapor mitigation systems would be required at specific locations throughout the facility based on the presence of chlorinated solvents 1,4-Dioxane, PCE, and TCE as well as the solvent m&p-Xylene which exceed Residential VRSLs. Based on PFE testing and VRSL extents, mitigation systems are recommended in specific areas throughout the facility.

### 3.2 Recommendations

The following recommendations are made for the installation of mitigation systems via Sub-Slab Depressurization. A total of fourteen (14) vapor extraction points are proposed in Buildings 4, 7, 8A, and 8B.

- Building 4's SSDS will be comprised of two (2) vapor extraction point locations routed to one (1) GP501c series fan to mitigate the identified m&p-Xylene concentration in sub-slab vapors.
- Building 7's SSDS will be comprised of five (5) vapor extraction point locations routed to two (2) HS2000 series fans to mitigate the identified PCE and TCE concentrations in sub-slab vapors.
- Building 8A will be comprised of four (4) vapor extraction point locations routed to two (2) HS3000 series fans to mitigate the identified TCE concentration in sub-slab vapors. Changes to reconstruction plans in Building 8A will now entail replacing the current wood flooring with poured concrete; it is recommended that a 10-mil membrane be laid atop subsoils prior to installation of the concrete flooring to act as an engineered barrier.
- Building 8B will be comprised of three (3) vapor extraction point locations routed to two (2) HS3000 series fans to mitigate the identified 1,4-Dioxane concentration in sub-slab vapors.

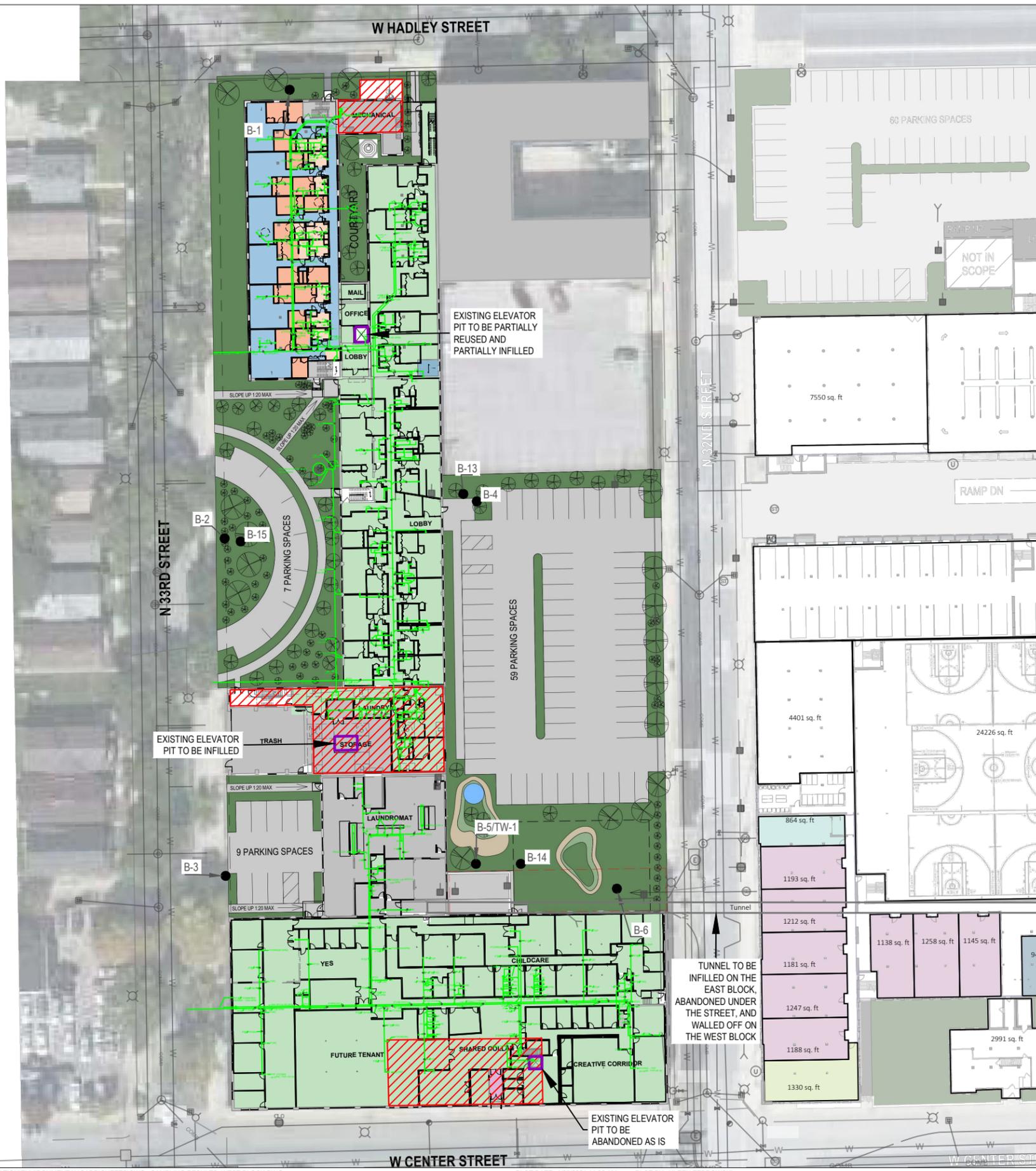
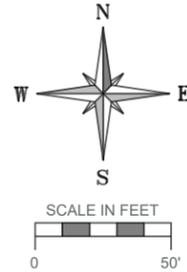
Following the completion of construction of engineered barriers and installation of Sub-Slab Depressurization Systems in the facility, a Vapor Mitigation System Installation Report will be submitted to the WDNR which will outline post-construction sub-slab vapor sampling plans, long term operation, maintenance and monitoring (OM&M), and continuing obligations for the active SSDS.

This report has been prepared exclusively for The Community Within the Corridor Limited Partnership and it may not be altered or changed in any manner without expressed written consent of K. Singh & Associates, Inc.

## SECTION IV. REFERENCES

1. Milwaukee County Land Information Office.  
<http://county.milwaukee.gov/mclio/applications/interactivemapping.html>
2. Wisconsin Department of Natural Resources Bureau of Remediation and Redevelopment Tracking System. <http://dnr.wi.gov/topic/Brownfields/botw.html>
3. Phase II Environmental Site Assessment, Community Within the Corridor, 2748 N 32<sup>nd</sup> Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated May 24, 2020.
4. WDNR Publication RR-800 "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin", January 2018.

## FIGURES

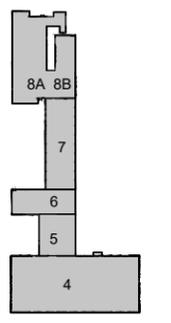


**FLOOR FINISH LEGEND**

<span style="display:inline-block; width:15px; height:10px; background-color:orange;"></span>	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
<span style="display:inline-block; width:15px; height:10px; background-color:yellow;"></span>	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
<span style="display:inline-block; width:15px; height:10px; background-color:white;"></span>	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
<span style="display:inline-block; width:15px; height:10px; background-color:lightblue;"></span>	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
<span style="display:inline-block; width:15px; height:10px; background-color:purple;"></span>	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
<span style="display:inline-block; width:15px; height:10px; background-color:lightgreen;"></span>	<b>PC-1</b>	POLISHED CONCRETE
<span style="display:inline-block; width:15px; height:10px; background-color:grey;"></span>	<b>SC-1</b>	SEALED CONCRETE
<span style="display:inline-block; width:15px; height:10px; background-color:blue;"></span>	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)



**KEY PLAN**

**KSingh** Engineers  
Scientists  
Consultants

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CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

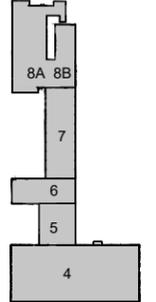
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PARTNERSHIP

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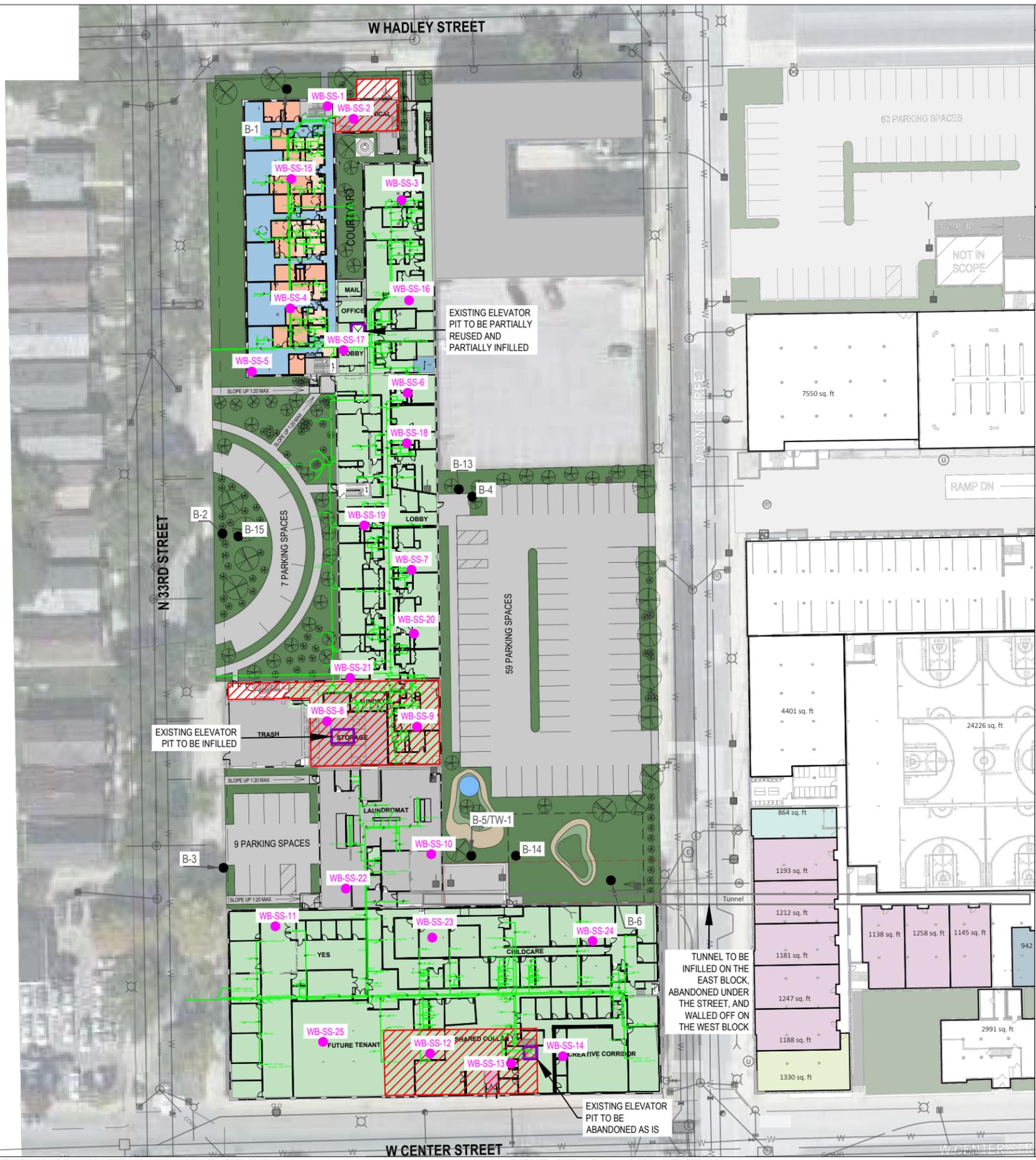
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CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: SITE LAYOUT

**FIGURE 1**

NOTE:  
• PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.



KEY PLAN



**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

	●	Previous Boring and Temporary Well Locations
	□	Known Elevator Shaft
	—	Planned Underground Plumbing
	□	Underground Tunnel
		Basement Area(s)
	●	Sub-Slab Sampling Locations (25)

**NOTE:**  
 • PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

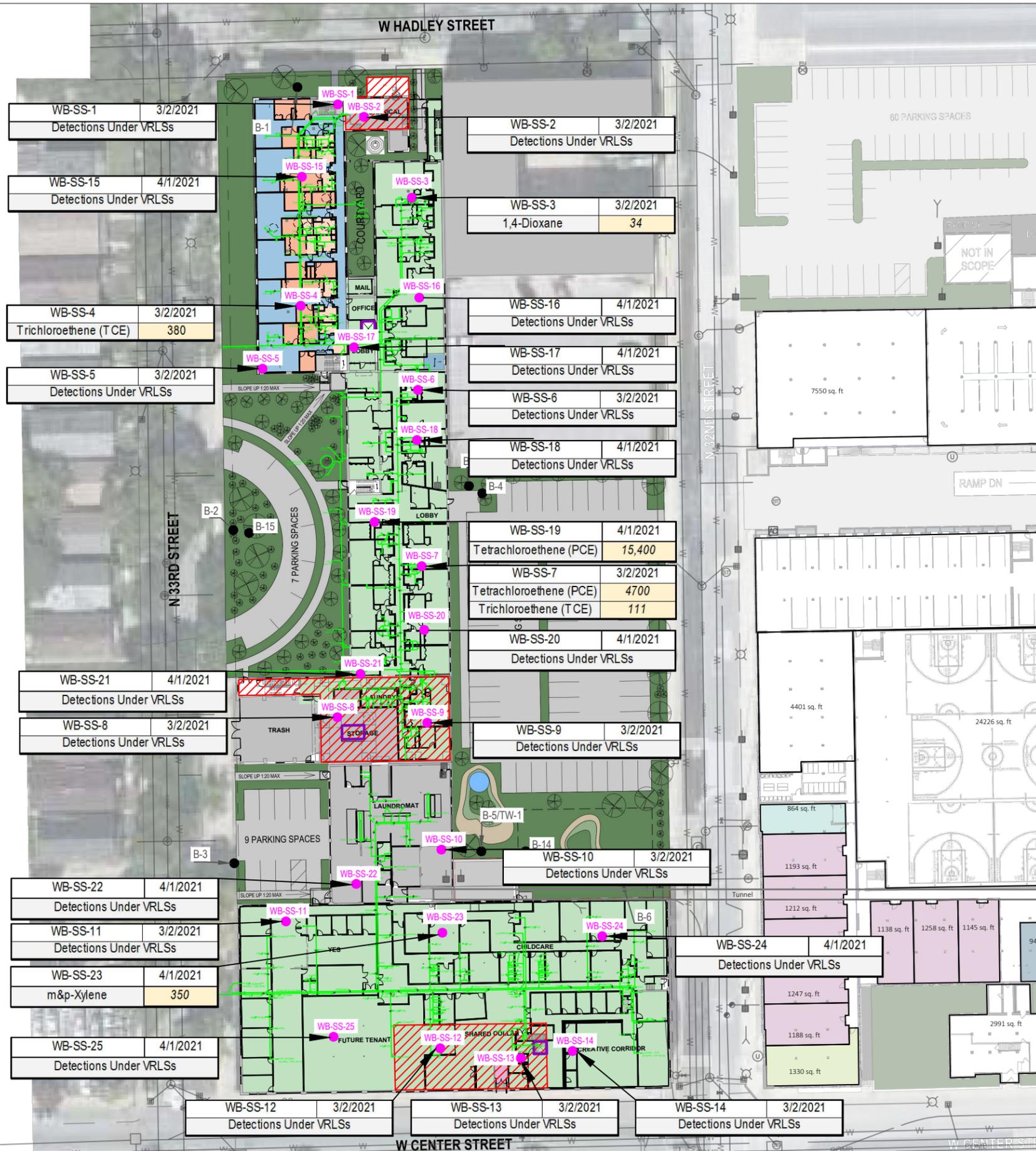
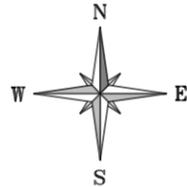
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CHECKED BY KVH	DATE 04/27/2021

SHEET TITLE  
 SUB-SLAB VAPOR SAMPLING LOCATIONS

**FIGURE 2**



**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Sampling Locations (25)

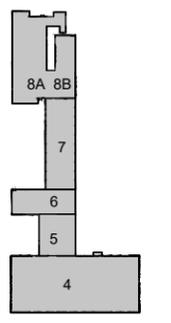
**Sub-Slab Vapor**

Attenuation Factor	0.03	0.01
Analyte	<i>Residential Vapor Risk Screening Level (VRSL)</i>	<b>Large Commercial / Industrial VRSL</b>
1,4-Dioxane	18	250
m&p-Xylene	333	4,400
Tetrachloroethene (PCE)	1,400	18,000
Trichloroethene (TCE)	70	880

- NOTES:**
- ALL RESULTS IN MICROGRAMS PER CUBIC METER (ug/m<sup>3</sup>)
  - VRSL = VAPOR RISK SCREENING LEVELS
  - ONLY RESULTS EXCEEDING VRSLs ARE SHOWN
  - ITALICS INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLs
  - BOLD** INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLs
  - VRSLs BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
  - SAMPLING LOCATIONS ARE APPROXIMATE
  - PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

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Scientists  
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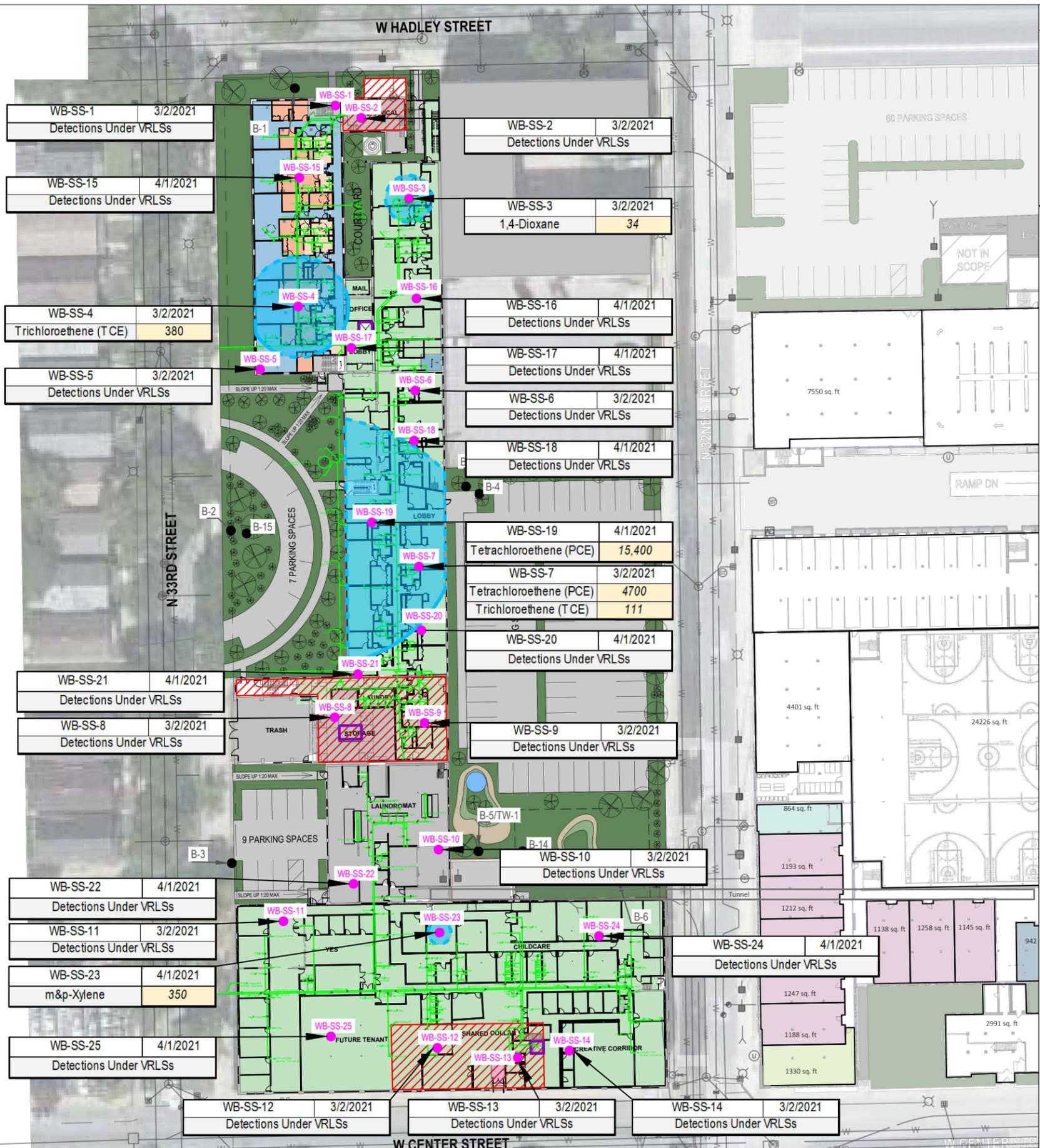
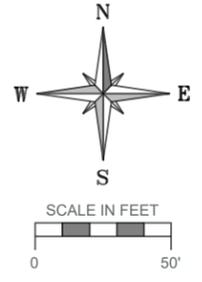


**KEY PLAN**

REVISIONS	DATE	DESCRIPTION

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CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: SUB-SLAB VAPOR SAMPLING RESULTS

**FIGURE 3**



**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

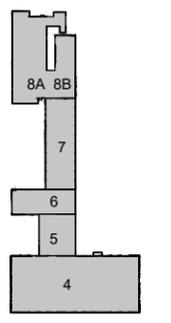
**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Sampling Locations (25)
- Approximate WI Residential VRSL Exceedance Extents

WB-SS-1	3/2/2021	Detections Under VRLSs
WB-SS-2	3/2/2021	Detections Under VRLSs
WB-SS-3	3/2/2021	1,4-Dioxane 34
WB-SS-4	3/2/2021	Trichloroethene (TCE) 380
WB-SS-5	3/2/2021	Detections Under VRLSs
WB-SS-6	3/2/2021	Detections Under VRLSs
WB-SS-7	3/2/2021	Tetrachloroethene (PCE) 4700 Trichloroethene (TCE) 111
WB-SS-8	3/2/2021	Detections Under VRLSs
WB-SS-9	3/2/2021	Detections Under VRLSs
WB-SS-10	3/2/2021	Detections Under VRLSs
WB-SS-11	3/2/2021	Detections Under VRLSs
WB-SS-12	3/2/2021	Detections Under VRLSs
WB-SS-13	3/2/2021	Detections Under VRLSs
WB-SS-14	3/2/2021	Detections Under VRLSs
WB-SS-15	4/1/2021	Detections Under VRLSs
WB-SS-16	4/1/2021	Detections Under VRLSs
WB-SS-17	4/1/2021	Detections Under VRLSs
WB-SS-18	4/1/2021	Detections Under VRLSs
WB-SS-19	4/1/2021	Tetrachloroethene (PCE) 15,400
WB-SS-20	4/1/2021	Detections Under VRLSs
WB-SS-21	4/1/2021	Detections Under VRLSs
WB-SS-22	4/1/2021	Detections Under VRLSs
WB-SS-23	4/1/2021	m&p-Xylene 350
WB-SS-24	4/1/2021	Detections Under VRLSs
WB-SS-25	4/1/2021	Detections Under VRLSs

Sub-Slab Vapor		
Attenuation Factor	0.03	0.01
Analyte	<i>Residential Vapor Risk Screening Level (VRSL)</i>	<b>Large Commercial / Industrial VRSL</b>
1,4-Dioxane	18	250
m&p-Xylene	333	4,400
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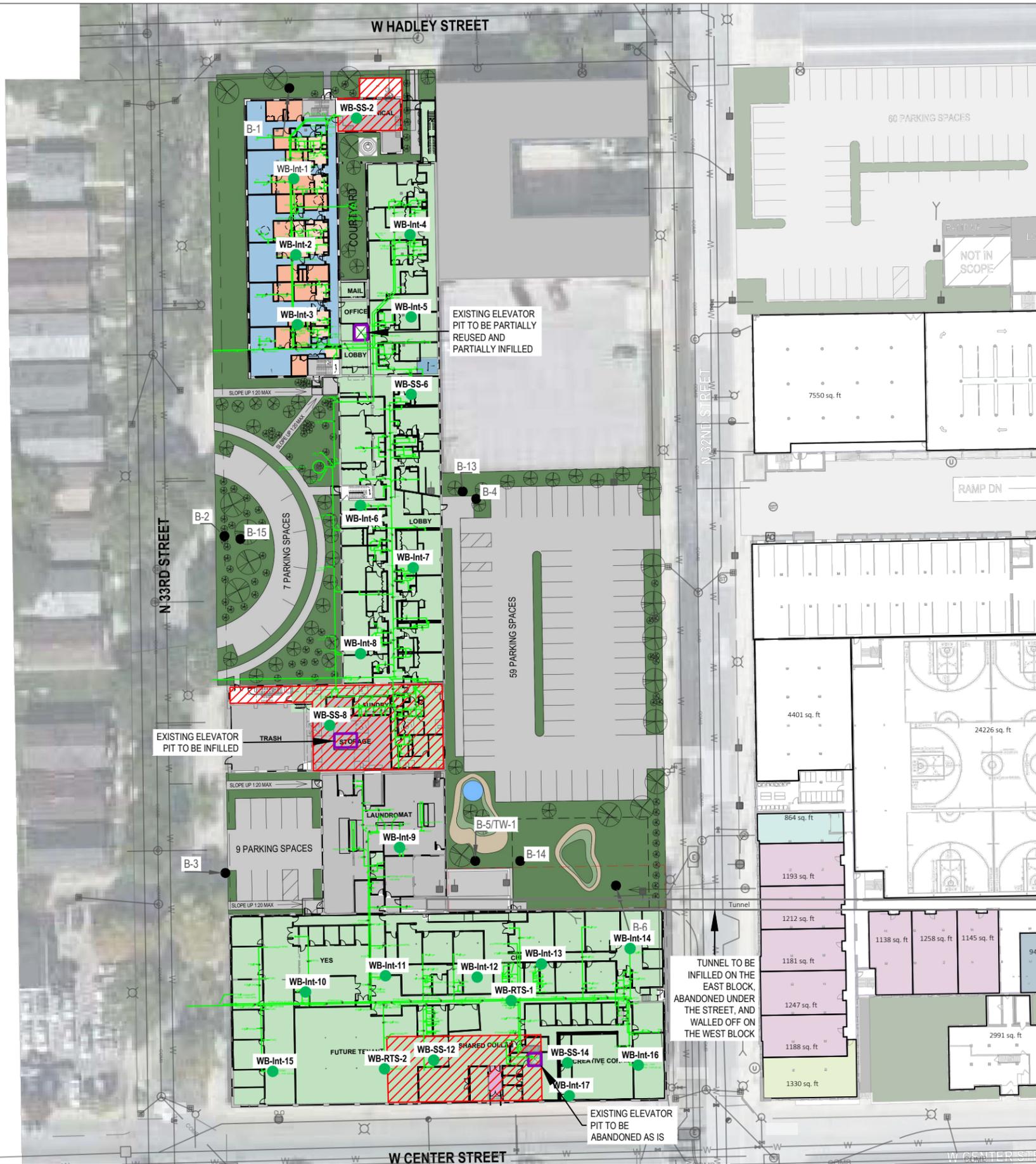
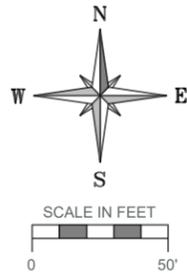
- NOTES:**
- ALL RESULTS IN MICROGRAMS PER CUBIC METER (ug/m<sup>3</sup>)
  - VRSL = VAPOR RISK SCREENING LEVELS
  - ONLY RESULTS EXCEEDING VRSLs ARE SHOWN
  - ITALICS INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLs
  - BOLD** INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLs
  - VRSLs BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
  - SAMPLING LOCATIONS ARE APPROXIMATE
  - PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.



REVISIONS	DATE	DESCRIPTION

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SHEET TITLE: VRSL EXCEEDANCE PLUMES FOR VOCs

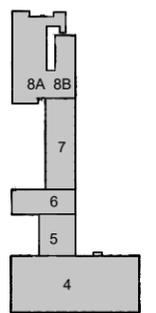
**FIGURE 4**



**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

- LEGEND**
- Previous Boring and Temporary Well Locations
  - Known Elevator Shaft
  - Planned Underground Plumbing
  - ▭ Underground Tunnel
  - ▨ Basement Area(s)
  - Soil Sampling Locations (24)



**KEY PLAN**

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PROJECT NUMBER: 40443

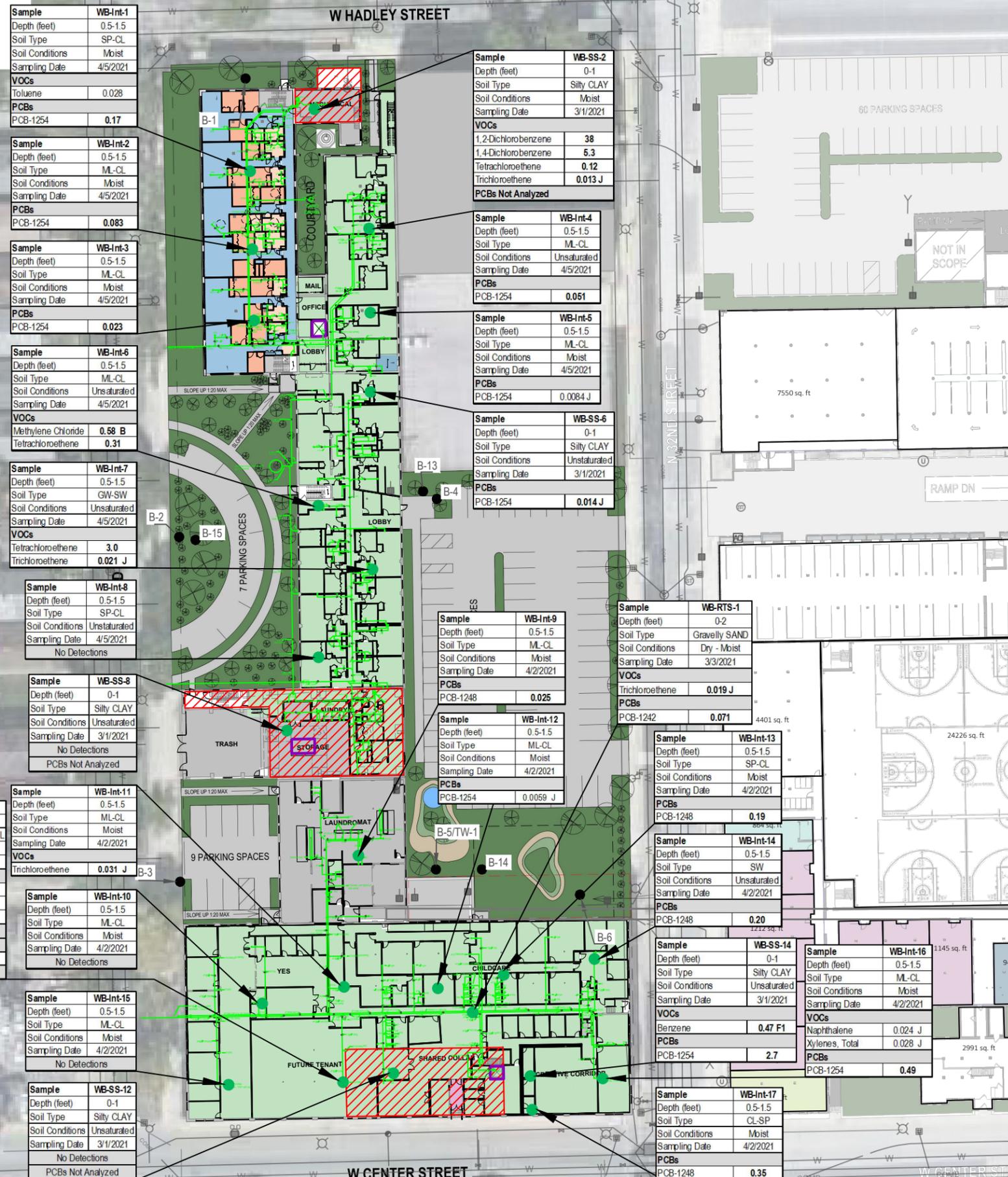
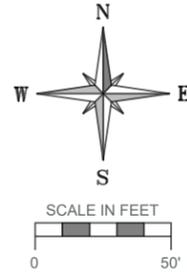
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CHECKED BY KVH	DATE 04/27/2021	
SHEET TITLE		

SOIL SAMPLING LOCATIONS

**FIGURE 5**

NOTE:  
● PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.



**FLOOR FINISH LEGEND**

<span style="color: orange;">■</span>	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
<span style="color: yellow;">■</span>	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
<span style="color: white;">■</span>	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
<span style="color: lightblue;">■</span>	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
<span style="color: purple;">■</span>	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
<span style="color: green;">■</span>	PC-1	POLISHED CONCRETE
<span style="color: grey;">■</span>	SC-1	SEALED CONCRETE
<span style="color: blue;">■</span>	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- ▭ Basement Area(s)
- Soil Sampling Locations (24)

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs Industrial Use for Direct Contact Protection (1)
<b>Volatile Organic Compounds (VOCs)</b>			
1,2,4-Trime thylbenzene	1.3787*	219	219
1,2-Dichlorobenzene	1.168	376	376
1,3,5-Trime thylbenzene	1.3787*	182	182
1,3-Dichlorobenzene	1.1528	297	297
1,4-Dichlorobenzene	0.144	3.74	16.4
Benzene	0.0051	1.6	7.07
Isopropylbenzene	---	268.0	268
Chlorobenzene	---	370	761
Ethylbenzene	1.57	8.02	35.4
Naphthalene	0.658182	5.52	24.10
n-Butylbenzene	---	108	108
N-Propylbenzene	---	264	264
p-Isopropyltoluene	---	162	162
sec-Butylbenzene	---	145	145
Styrene	0.22	867	867
Tetrachloroethene	0.0045	33	145
Toluene	1.1072	818	818
Trichloroethene	0.0036	1.3	8.41
Xylenes, Total	3.96	1,212	1212
<b>Polychlorinated Biphenyls (PCBs)</b>			
PCB-1242	0.0094**	0.235	0.972
PCB-1248	0.0094**	0.236	0.975
PCB-1254	0.0094**	0.239	0.988

- NOTES:
- (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
  - REPORTED UNITS IN MG/KG
  - ONLY DETECTIONS SHOWN
  - BOLD** = DETECTION IS ABOVE GROUNDWATER PROTECTION OR DIRECT CONTACT RCLS
  - = NO ESTABLISHED STANDARD
  - \* = COMBINED ESTABLISHED STANDARD OF 1,2,4- & 1,3,5- TRIMETHYLBENZENE
  - \*\* = COMBINED ESTABLISHED STANDARD OF PCBs
  - "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
  - "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
  - METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
  - SAMPLING LOCATIONS ARE APPROXIMATE
  - PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

**KEY PLAN**

Sample	WB-RTS-2
Depth (feet)	0.5-2.5
Soil Type	Sandy GRAVEL
Soil Conditions	Dry
Sampling Date	4/6/2021
<b>VOCs</b>	
Benzene	<b>0.022 J</b>
Tetrachloroethene	<b>0.12</b>
Trichloroethene	<b>0.69</b>
SVOCs NOT ANALYZED	
<b>PCBs</b>	
PCB-1254	<b>0.018</b>
RCRA Metals NOT ANALYZED	

Sample	WB-Int-11
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
<b>VOCs</b>	
Trichloroethene	<b>0.031 J</b>

Sample	WB-Int-10
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-15
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-SS-12
Depth (feet)	0-1
Soil Type	Silty CLAY
Soil Conditions	Unsat
Sampling Date	3/1/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Soil Type	SP-CL
Soil Conditions	Unsat
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Soil Type	GW-SW
Soil Conditions	Unsat
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-6
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Unsat
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-3
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-2
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-1
Depth (feet)	0.5-1.5
Soil Type	SP-CL
Soil Conditions	Moist
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-9
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-5
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-4
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Unsat
Sampling Date	4/5/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-SS-2
Depth (feet)	0-1
Soil Type	Silty CLAY
Soil Conditions	Moist
Sampling Date	3/1/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-SS-6
Depth (feet)	0-1
Soil Type	Silty CLAY
Soil Conditions	Unsat
Sampling Date	3/1/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-RTS-1
Depth (feet)	0-2
Soil Type	Gravelly SAND
Soil Conditions	Dry - Moist
Sampling Date	3/3/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-12
Depth (feet)	0.5-1.5
Soil Type	ML-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-1
Depth (feet)	0.5-1.5
Soil Type	SP-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-13
Depth (feet)	0.5-1.5
Soil Type	SP-CL
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

Sample	WB-Int-17
Depth (feet)	0.5-1.5
Soil Type	CL-SP
Soil Conditions	Moist
Sampling Date	4/2/2021
No Detections	
PCBs Not Analyzed	

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

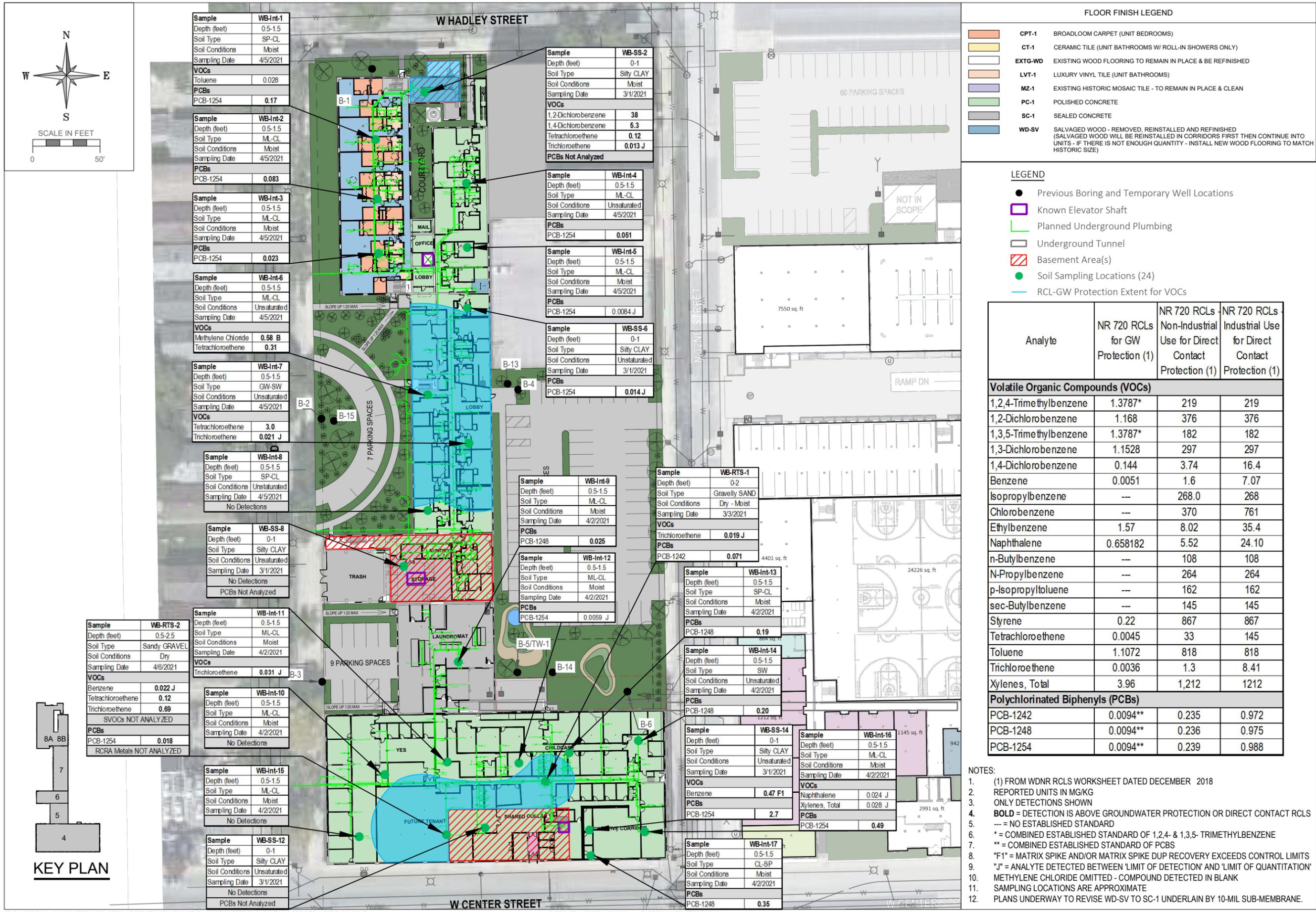
SOIL SAMPLING RESULTS

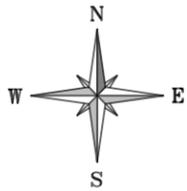
# FIGURE 6

REVISIONS	DATE	DESCRIPTION

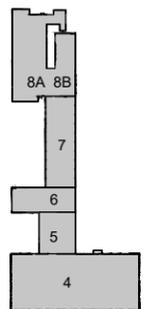
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CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: RCL EXTENTS

# FIGURE 7

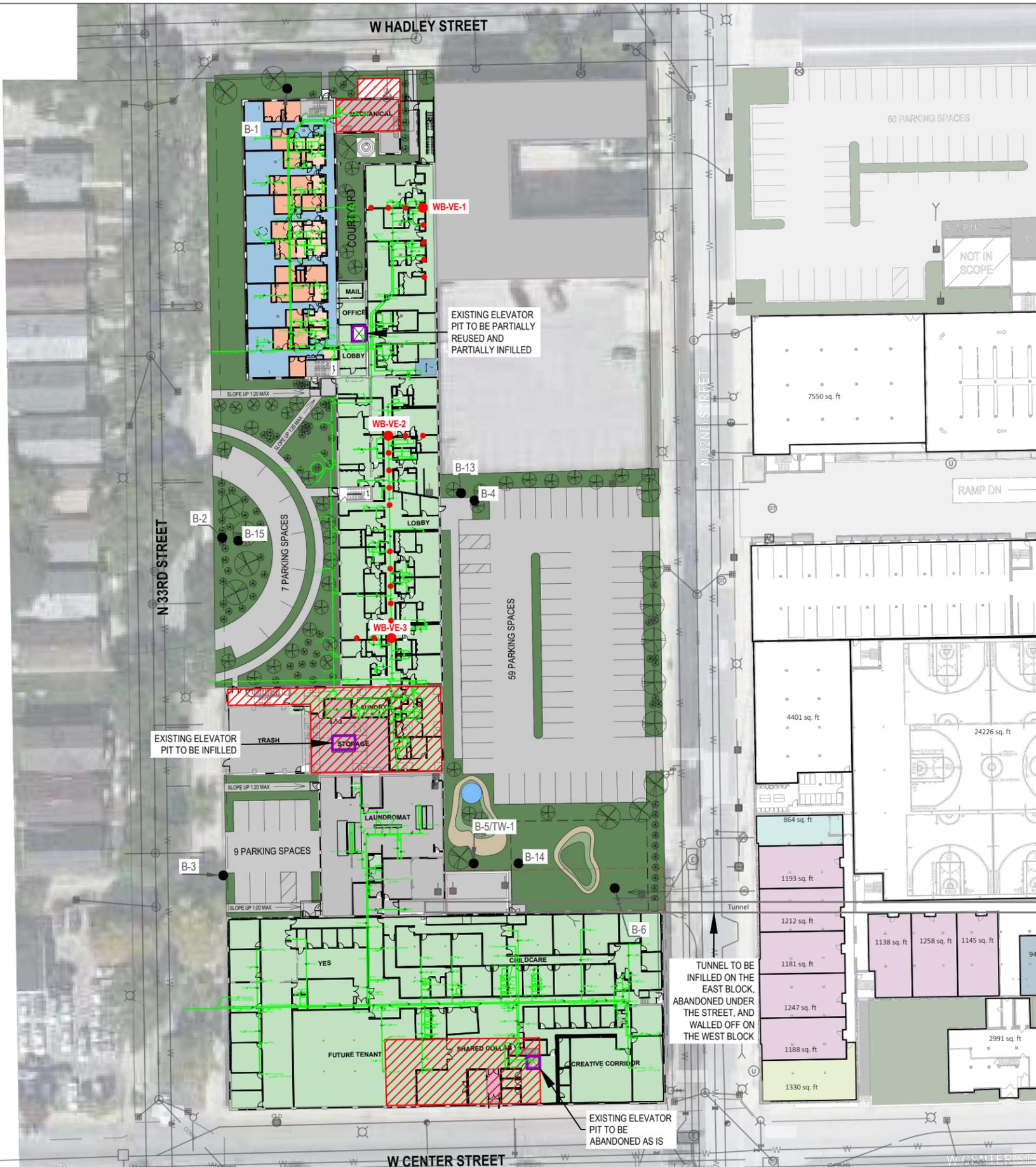




SCALE IN FEET  
0 50'



KEY PLAN



CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
PC-1	POLISHED CONCRETE
SC-1	SEALED CONCRETE
WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

●	Previous Boring and Temporary Well Locations
□	Known Elevator Shaft
—	Planned Underground Plumbing
▭	Underground Tunnel
▨	Basement Area(s)
●	Vapor Extraction Point(s)
●	Negative Pressure Locations

NOTE:  
• PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

CONSULTANT

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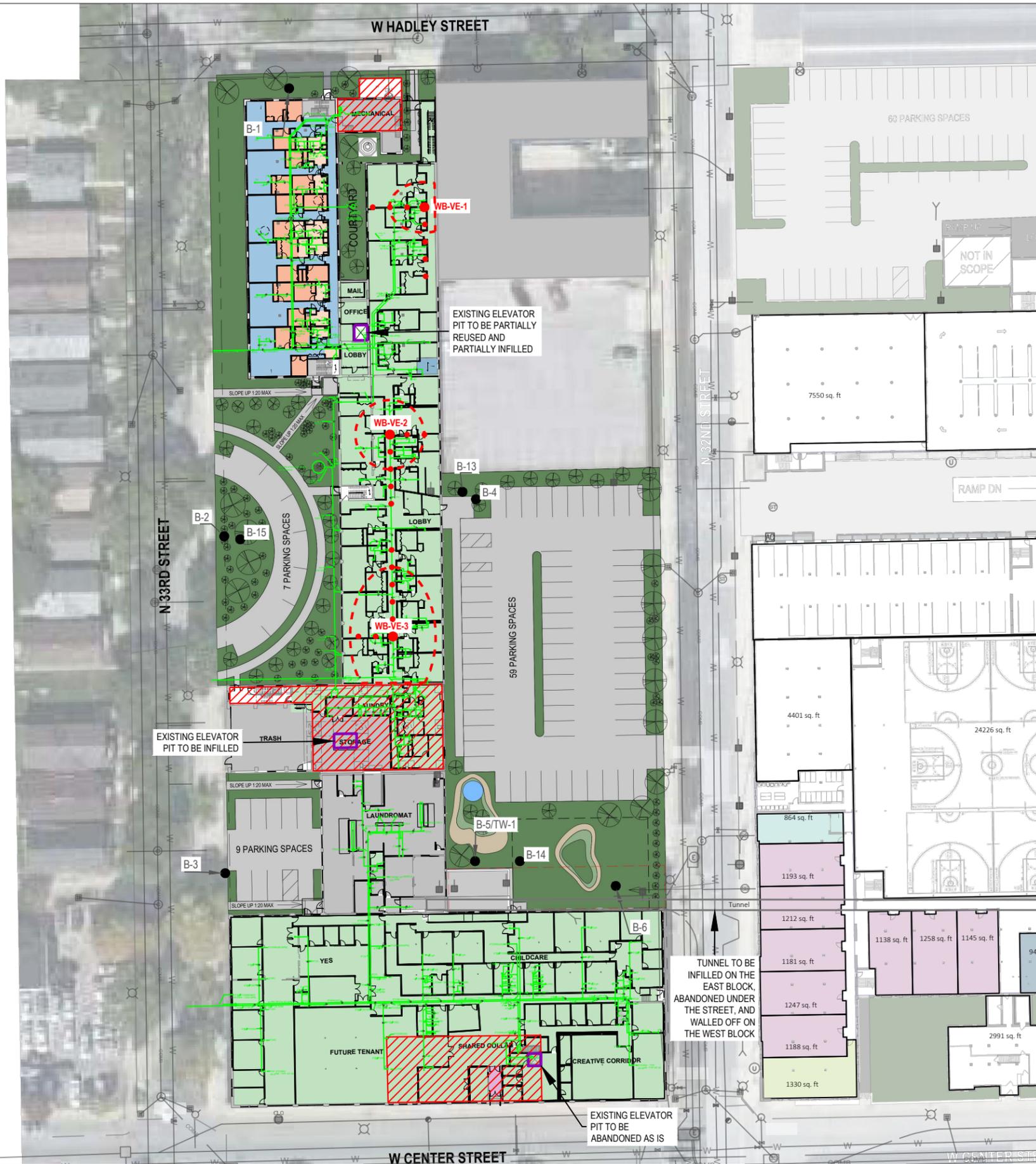
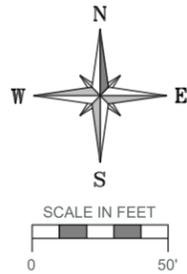
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MILWAUKEE, WI  
PROJECT NUMBER: 40443  
CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 04/27/2021
CHECKED BY KVH	DATE 04/27/2021

SHEET TITLE  
PRESSURE FIELD EXTENSION TEST LOCATIONS

FIGURE 8

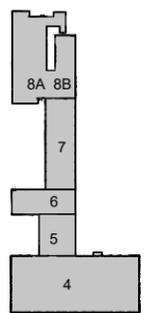


**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Vapor Extraction Point(s)
- Negative Pressure Locations
- Radius of Influence Achieved



**KEY PLAN**

CONSULTANT

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MILWAUKEE, WI  
PROJECT NUMBER: 40443

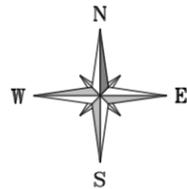
CLIENT:  
COMMUNITY WITHIN THE CORRIDOR LIMITED  
PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

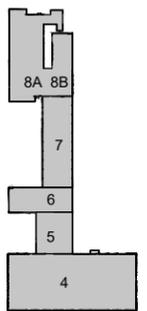
DRAWN BY: AMZ DATE: 04/27/2021  
CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: RESULTS OF PRESSURE FIELD EXTENSION TESTING

**FIGURE 9**

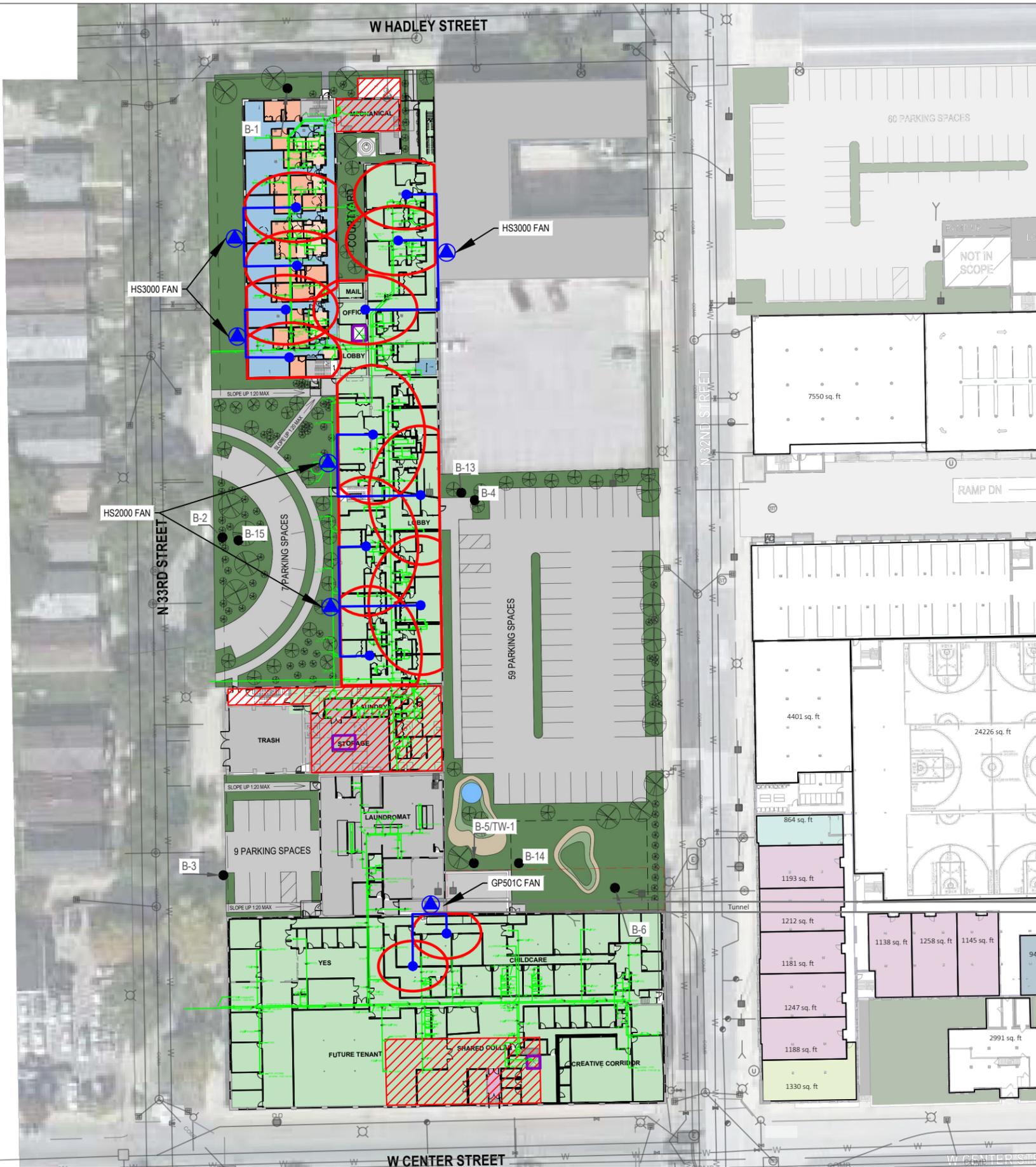
- NOTE:
- PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.
  - GP501C SERIES FAN USED DURING PFE TESTING.



SCALE IN FEET  
0 50'



KEY PLAN



**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Extraction Point Location
- 3" sch. 40 PVC pipe (may be modified)
- Exterior Fan Location
- Zone of Influence

- NOTES:**
1. MINIMUM OF 3.5" SLAB PENETRATION
  2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
  3. SEE TABLE FOR RADII FOOTAGE
  4. 3" SCH. 40 PVC
  5. BALL VALVES FOR EACH EXTRACTION POINT TO REGULATE FLOW
  6. MANOMETER AND VELOCITY PORTS FOR EACH EXTRACTION POINT TO MEASURE FLOW AND NEGATIVE PRESSURE
  7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
  8. EXHAUST VENTING 2 FT ABOVE ROOF AND/OR 12 FT FROM WINDOWS
  9. MIN 1.5% SLOPE TOWARD EXTRACTION POINTS
  10. ELECTRICAL DISCONNECT AND OWN CIRCUIT FOR EACH FAN
  11. 2" EXHAUST PIPING FOR HS FANS, 3" FOR GP501C
  12. SEAL ALL CRACKS IN FLOORS
  13. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

**KSingh** Engineers  
Scientists  
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Wauwatosa, WI 53222  
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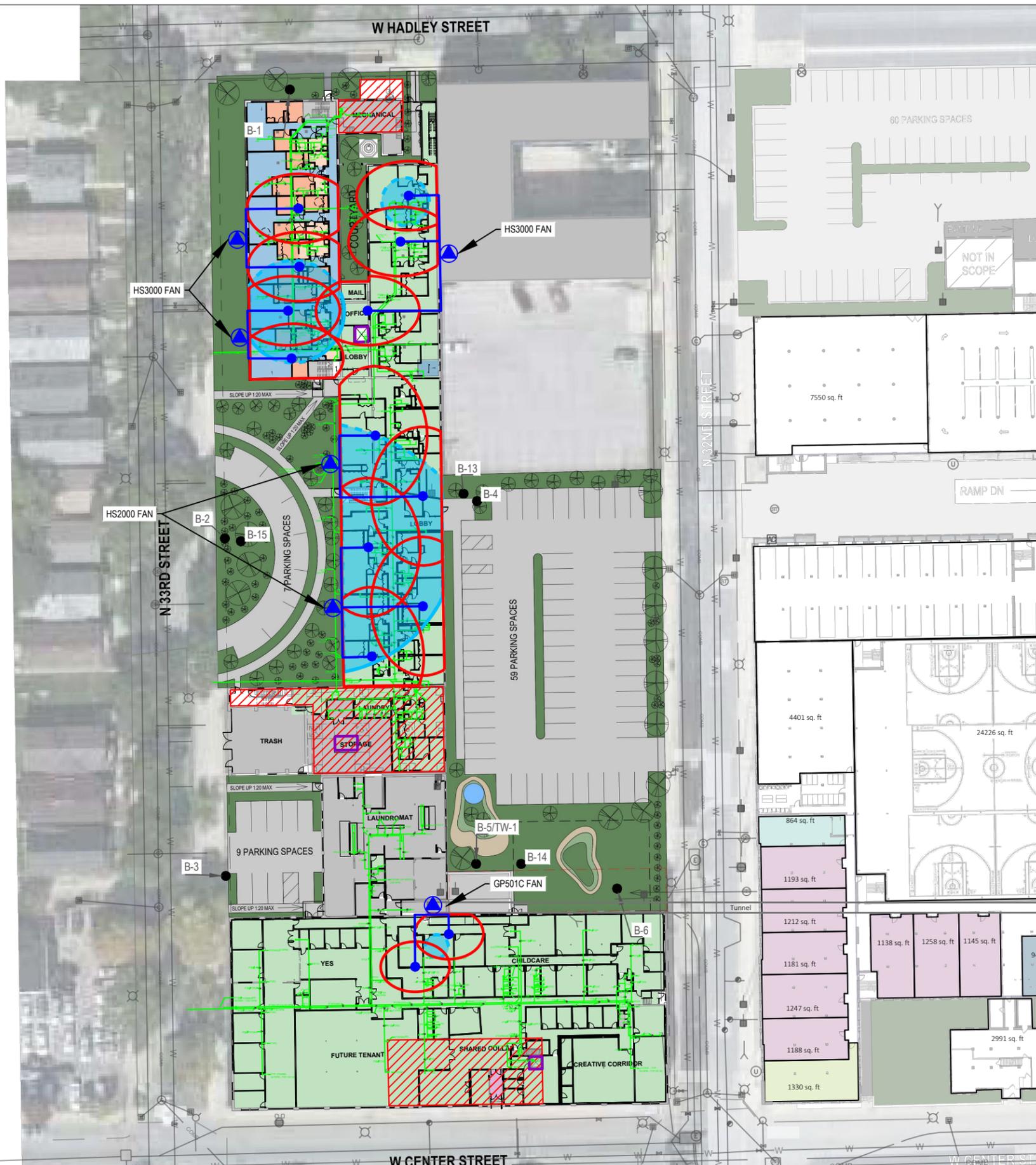
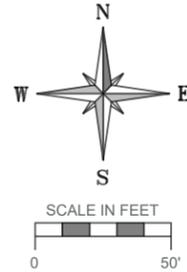
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PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443  
CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY: AMZ DATE: 04/27/2021  
CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: PROPOSED VAPOR MITIGATION DESIGN LAYOUT

FIGURE 10

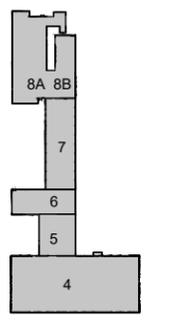


**FLOOR FINISH LEGEND**

	<b>CPT-1</b>	BROADLOOM CARPET (UNIT BEDROOMS)
	<b>CT-1</b>	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	<b>EXTG-WD</b>	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	<b>LVT-1</b>	LUXURY VINYL TILE (UNIT BATHROOMS)
	<b>MZ-1</b>	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	<b>PC-1</b>	POLISHED CONCRETE
	<b>SC-1</b>	SEALED CONCRETE
	<b>WD-SV</b>	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

**LEGEND**

- Previous Boring and Temporary Well Locations
- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Extraction Point Location
- 3" sch. 40 PVC pipe (may be modified)
- Exterior Fan Location
- Zone of Influence
- Approximate WI Residential VRSL Exceedance Extents



**KEY PLAN**

- NOTES:**
1. MINIMUM OF 3.5" SLAB PENETRATION
  2. 10-15 "GALL" SOIL REMOVED BENEATH SLAB TO ACT AS SUCTION PIT
  3. SEE TABLE FOR RADII FOOTAGE
  4. 3" SCH. 40 PVC
  5. BALL VALVES FOR EACH EXTRACTION POINT TO REGULATE FLOW
  6. MANOMETER AND VELOCITY PORTS FOR EACH EXTRACTION POINT TO MEASURE FLOW AND NEGATIVE PRESSURE
  7. MANOMETER POINT AT EACH FAN INLET FOR NEGATIVE PRESSURE
  8. EXHAUST VENTING 2 FT ABOVE ROOF AND/OR 12 FT FROM WINDOWS
  9. MIN 1.5% SLOPE TOWARD EXTRACTION POINTS
  10. ELECTRICAL DISCONNECT AND OWN CIRCUIT FOR EACH FAN
  11. 2" EXHAUST PIPING FOR HS FANS, 3" FOR GP501C
  12. SEAL ALL CRACKS IN FLOORS
  13. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 10-MIL SUB-MEMBRANE.

CONSULTANT

CONSULTANT

PROJECT TITLE: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CLIENT:  
COMMUNITY WITHIN THE CORRIDOR LIMITED  
PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY: AMZ DATE: 04/27/2021  
CHECKED BY: KVH DATE: 04/27/2021  
SHEET TITLE: LAYOUT VS VRSL EXCEEDANCE PLUMES FOR VOCs

**FIGURE 11**

## TABLES

TABLE 1  
SUB-SLAB VAPOR ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-1	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-9	WB-SS-10	WB-SS-11	WB-SS-12	WB-SS-13
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT												
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021 ug/m <sup>3</sup>												
1,1,1-Trichloroethane	170,000	2,200,000	< 0.249	0.33 J	118	6.5	3.6	1.25	297	3.9	1.41	0.92	3300	34	7.9
1,1,2,2-Tetrachloroethane	1.6	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	7,700	< 0.187	< 0.187	0.56 J	< 0.187	< 0.187	< 0.187	0.4 J	< 0.187	< 0.187	< 0.187	5.6	< 0.187	< 0.187
1,1-Dichloroethene	7,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	81	0.277 J	< 0.21
1,2,4-Trichlorobenzene	700	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	210	2,600	0.49 J	6.6	6.1	0.44 J	< 0.283	0.64 J	0.83 J	0.54 J	0.44 J	0.49 J	19.2	0.98	5.5
1,2-Dichlorobenzene	700	8,800	< 0.235	16.1	6.1	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	36	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	210	2,600	< 0.232	3.4	1.82	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	11.7	0.39 J	1.67
1,3-Butadiene	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	< 0.302	0.42 J	0.96	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	0.36 J
1,4-Dichlorobenzene	8	110	< 0.302	1.62	0.9 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dioxane	18	250	< 0.157	< 0.157	34	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	2.13	< 0.157	< 0.157
2-Hexanone	---	---	0.74	< 0.222	8.5	< 0.222	< 0.222	0.33 J	1.43	< 0.222	< 0.222	< 0.222	1.6	2.41	< 0.222
4-Ethyltoluene	---	---	< 0.214	5.1	0.74	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	2.55	< 0.214	0.49 J
Acetone	106,667	1,400,000	14.1	4.9	305 10	57	9.3	14.8	48	15.1	39	15.6	41	71	20.5
Acrolein	---	---	0.44	< 0.094	0.94	< 0.094	0.6	< 0.094	< 0.094	< 0.094	0.62	< 0.094	< 0.094	0.76	0.41
Benzene	120	1,600	1.15	1.79	3.7	1.85	2.36	0.42 J	1.05	0.96	5.4	0.32 J	0.48	1.69	1.18
Benzyl Chloride	1.9	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	0.54 J	< 0.374	< 0.374
Bromoform	86.6	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	31,000	6.2	0.59	14.6	9.4	0.28 J	2.68	2.24	1.93	15.6	1.12	19.8	3.4	0.218 J
Carbon Tetrachloride	156	2,000	0.69 J	0.5 J	< 0.307	3.4	0.5 J	0.88 J	10.3	< 0.307	< 0.307	< 0.307	< 0.307	0.76 J	< 0.307
Chlorobenzene	173	2,200	< 0.251	20.8	0.97	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	33,333	440,000	< 0.159	2.77	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.84	< 0.159
Chloroform	3,100	39,000	< 0.3	0.34 J	< 0.3	0.78 J	< 0.3	< 0.3	0.97	< 0.3	< 0.3	< 0.3	9	0.44 J	< 0.3
Chloromethane	3,100	39,000	< 0.831	< 0.831	< 0.831	< 0.831	1.61 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	4.7	< 0.831
cis-1,2-Dichloroethene	---	---	< 0.197	0.75	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	44,000	2.86	4.1	2.62	2.86	0.55 J	0.241 J	0.41 J	< 0.212	0.59 J	< 0.212	0.38 J	1.17	1.45
Dibromochloromethane	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	44,000	3.8	2.87	2.62	2.87	2.62	2.57	2.52	2.77	2.82	2.72	2.57	2.37	1.04
EDB (1,2-Dibromoethane)	0.157	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	37	19.1	170 10	283	32	179 10	102	12.6	45	27.7	67	83 10	43
Ethyl Acetate	---	---	16.7	< 0.176	< 0.176	1.62	< 0.176	< 0.176	< 0.176	< 0.176	1.48	< 0.176	< 0.176	< 0.176	4.6
Ethylbenzene	370	4,900	0.82	17.1	3.6	0.61 J	0.39 J	0.61 J	0.65	0.39 J	1.04	< 0.203	0.39 J	1.17	0.87
Heptane	---	---	19.4	4.7	6.5	1.8	1.1	0.9	1.92	1.27	27.4	< 0.265	0.65 J	4.5	5.7
Hexachlorobutadiene	4.3	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	18,000	8.7	340	42	1.83	34	2.64	1.62	2.36	38	0.74 J	1.2	3.9	6.3
Isopropyl Alcohol	---	---	7.3	3.8	32	15.5	3.5	14.8	25.5	1.67	8.6	5.7	15	12.6	8.7
m&p-Xylene	333	4,400	1.39	15.7	7.4	2.17	1 J	1.17 J	1.56	0.74 J	1.21	0.56 J	1 J	1.95	1.91
Methyl ethyl ketone (MEK)	17,333	220,000	6	2.18	96	14.1	3.4	2.15	12.9	43	13.5	6.1	8.6	17.4	6.7
Methyl isobutyl ketone (MIBK)	10,333	130,000	0.98	< 0.168	6.4	0.57	< 0.168	0.86	1.88	0.98	1.15	0.78	1.96	3.07	0.53 J
Methyl Methacrylate	---	---	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217

TABLE 1  
SUB-SLAB VAPOR ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-1	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-9	WB-SS-10	WB-SS-11	WB-SS-12	WB-SS-13
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT												
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021
			ug/m <sup>3</sup>												
Methyl tert-butyl ether (MTBE)	3,700	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	21,000	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Naphthalene	28	360	< 0.675	< 0.675	13.3	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675
o-Xylene	3,300	44,000	0.61 J	8	3.12	0.87	0.43 J	0.52 J	0.74	0.35 J	0.65 J	0.303 J	1	0.87	1.3
Propene	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
Styrene	3,333	44,000	0.255 J	0.298 J	0.298 J	< 0.181	< 0.181	< 0.181	< 0.181	< 0.181	0.213 J	< 0.181	< 0.181	< 0.181	< 0.181
Tetrachloroethene (PCE)	1,400	18,000	4.4	5.9	10.6	24.7	127	80	4700	5.9	9.6	12.8	15.5	3.5	1.09
Tetrahydrofuran	7,000	88,000	0.85	< 0.131	0.91	1.24	< 0.131	< 0.131	1.15	12.2	2.59	9.8	< 0.131	12.1	2.86
Toluene	170,000	2,200,000	5.6	12.5	21.2	6.8	6.4	5.2	7	23.2	11.7	5.4	6.1	12.9	9.1
trans-1,2-Dichloroethene	---	---	< 0.231	1.15	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	880	0.54 J	1.77	0.96	380	1.12	< 0.237	111	0.86	2.89	3.7	26.9	2.2	2.62
Trichlorofluoromethane	---	---	1.8	1.69	1.29	3.3	1.29	2.13	7.8	1.97	1.74	7	2.47	27.8	11.2
Trichlorotrifluoroethane	---	---	0.69 J	0.61 J	3.9	2.07	0.54 J	0.61 J	3.8	0.54 J	0.54 J	0.54 J	0.46 J	< 0.402	< 0.402
Vinyl acetate	700	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.46 J	< 0.148	< 0.148	0.64	< 0.148

**Comments**

All results in micrograms per cubic meter (ug/m<sup>3</sup>)  
"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation  
"10" Code = Linear Range of Calibration Curve Exceeded  
VRSL = Vapor Risk Screening Levels  
Indicates detection is above Residential VRSLs

TABLE 1  
SUB-SLAB VAPOR ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-14	WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19	WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-23	WB-SS-24	WB-SS-25
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT											
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021 ug/m <sup>3</sup>	4/1/2021 ug/m <sup>3</sup>										
1,1,1-Trichloroethane	170,000	2,200,000	1.69	0.76 J	78	1.58	17	460	154	36	650	22.4	2.88	1110
1,1,2,2-Tetrachloroethane	1.6	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	7,700	< 0.187	< 0.187	0.36 J	< 0.187	< 0.187	2.12	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.238 J
1,2,4-Trichlorobenzene	700	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	210	2,600	8.7	2.16	8.5	3.6	7.7	5.2	9.2	3.8	3.7	5.2	3.2	3.8
1,2-Dichlorobenzene	700	8,800	< 0.235	0.71 J	29	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	36	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	210	2,600	3.3	0.78	3.7	1.03	2.45	2.16	3.2	1.47	1.37	2.16	1.32	1.23
1,3-Butadiene	---	---	< 0.143	< 0.143	< 0.143	3.6	5.4	12.5	4.4	7.5	< 0.143	< 0.143	< 0.143	2.48
1,3-Dichlorobenzene	---	---	< 0.302	< 0.302	0.72 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	110	< 0.302	< 0.302	2.28	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dioxane	18	250	< 0.157	< 0.157	9.5	< 0.157	< 0.157	4.6	< 0.157	< 0.157	13.8	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	< 0.222	1.02	< 0.222	6.5	19.9	< 0.222	< 0.222	15.8	3.8	3.3	3.07	55
4-Ethyltoluene	---	---	0.74	0.69	2.7	1.32	2.35	1.82	2.6	1.23	1.03	1.42	0.74	0.93
Acetone	106,667	1,400,000	9.5	26.4	288 10	31.4	330	< 0.299	60	211 10	< 0.299	20.2	81	900
Acrolein	---	---	< 0.094	0.83	2.86	2.25	1.38	0.83	1.51	0.73	< 0.094	0.46	0.44	0.71
Benzene	120	1,600	0.86	6	24.7	14.1	30.7	34	27	13.9	4.1	9	2.68	5.2
Benzyl Chloride	1.9	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	86.6	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	31,000	2.18	207	10.7	3.9	9.8	18.4	12.8	8.4	26	55	272	39
Carbon Tetrachloride	156	2,000	< 0.307	0.94 J	< 0.307	< 0.307	0.88 J	7.8	0.94 J	< 0.307	< 0.307	< 0.307	< 0.307	< 0.307
Chlorobenzene	173	2,200	< 0.251	0.46 J	16.5	< 0.251	0.32 J	1.15	0.32 J	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	33,333	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.37 J	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	3,100	39,000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.34 J	< 0.3	0.54 J	< 0.3	< 0.3	< 0.3	< 0.3
Chloromethane	3,100	39,000	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	1.03 J	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	< 0.197	< 0.197	0.32 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	44,000	3.3	25.2	34	9.4	17.1	25	27.1	14.7	9.9	31	4.8	19.7
Dibromochloromethane	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	44,000	1.53	1.88	1.83	1.93	1.78	1.83	1.88	1.93	2.03	1.93	1.93	1.93
EDB (1,2-Dibromoethane)	0.157	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	29.7	8.5	15.3	5.8	23.2	38	6.4	20.8	21.7	1.09	4.1	53
Ethyl Acetate	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	1.62	< 0.176
Ethylbenzene	370	4,900	3.9	8.3	25.2	24.1	37	23.9	29	10	4.6	128	2.77	5.5
Heptane	---	---	11.8	27.3	115	39	64	71	75	43	19.6	87	8.9	30.3
Hexachlorobutadiene	4.3	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	18,000	5.4	34	140	38	62	78	80	52	37	99	15.2	42
Isopropyl Alcohol	---	---	3.6	4.1	22.6	10.2	49	97	8.5	30.3	43	1.6	< 0.109	79
m&p-Xylene	333	4,400	13.9	9.5	38	18.5	35	36	34	15.7	6.2	350	4.3	10.7
Methyl ethyl ketone (MEK)	17,333	220,000	6.2	12.5	77	20.9	129	291	31	103	8100	23.7	38	252
Methyl isobutyl ketone (MIBK)	10,333	130,000	1.06	1.64	4.7	5.2	34	26.9	3.07	11.3	4.6	25.5	2.91	63
Methyl Methacrylate	---	---	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217

TABLE 1  
SUB-SLAB VAPOR ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-14	WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19	WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-23	WB-SS-24	WB-SS-25
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT											
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021 ug/m <sup>3</sup>	4/1/2021 ug/m <sup>3</sup>										
Methyl tert-butyl ether (MTBE)	3,700	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	1.04	< 0.16	< 0.16	< 0.16
Methylene chloride	21,000	260,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Naphthalene	28	360	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675
o-Xylene	3,300	44,000	7.7	4	17.2	8.1	14.8	15.9	14.6	6.1	2.82	35	2.3	3.8
Propene	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	770	< 0.079	57	< 0.079
Styrene	3,333	44,000	0.213 J	0.38 J	0.34 J	0.255 J	0.85	2.93	0.89	0.6	0.298 J	0.34 J	0.51 J	0.34 J
Tetrachloroethene (PCE)	1,400	18,000	4.6	2.85	62	4.4	126	15,400	11.1	0.75 J	5.3	14.1	20.4	161
Tetrahydrofuran	7,000	88,000	5.1	2.18	3.8	2.53	4.7	3.9	4.6	3.6	14.3	5.7	6	8
Toluene	170,000	2,200,000	12	31.5	93	72	111	201	87	41	14.4	73	6	14.4
trans-1,2-Dichloroethene	---	---	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	880	< 0.237	2.14	1.18	< 0.237	3.11	23.7	3.05	1.23	8	13	0.37 J	3.5
Trichlorofluoromethane	---	---	18.2	1.24	1.52	1.57	2.25	3.4	2.7	1.91	4.7	21.4	14.8	18.3
Trichlorotrifluoroethane	---	---	< 0.402	0.61 J	5.1	0.84 J	0.77 J	2.15	5.1	0.69 J	0.61 J	0.61 J	0.61 J	0.54 J
Vinyl acetate	700	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.56	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

**Comments**

All results in micrograms per cubic meter (ug/m<sup>3</sup>)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

Indicates detection is above Residential VRSLs

TABLE 2  
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-1	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-9	WB-SS-10	WB-SS-11	WB-SS-12	WB-SS-13
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT												
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021
			ug/m <sup>3</sup>												
1,1,1-Trichloroethane	170,000	2,200,000	< 0.249	0.33 J	118	6.5	3.6	1.25	297	3.9	1.41	0.92	3300	34	7.9
1,1-Dichloroethane	600	7,700	< 0.187	< 0.187	0.56 J	< 0.187	< 0.187	< 0.187	0.4 J	< 0.187	< 0.187	< 0.187	5.6	< 0.187	< 0.187
1,1-Dichloroethene	7,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	81	0.277 J	< 0.21
1,2,4-Trimethylbenzene	210	2,600	0.49 J	6.6	6.1	0.44 J	< 0.283	0.64 J	0.83 J	0.54 J	0.44 J	0.49 J	19.2	0.98	5.5
1,2-Dichlorobenzene	700	8,800	< 0.235	16.1	6.1	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,3,5-Trimethylbenzene	210	2,600	< 0.232	3.4	1.82	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	11.7	0.39 J	1.67
1,3-Butadiene	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	< 0.302	0.42 J	0.96	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	0.36 J
1,4-Dichlorobenzene	8	110	< 0.302	1.62	0.9 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dioxane	18	250	< 0.157	< 0.157	34	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	2.13	< 0.157	< 0.157
2-Hexanone	---	---	0.74	< 0.222	8.5	< 0.222	< 0.222	0.33 J	1.43	< 0.222	< 0.222	< 0.222	1.6	2.41	< 0.222
4-Ethyltoluene	---	---	< 0.214	5.1	0.74	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	2.55	< 0.214	0.49 J
Acetone	106,667	1,400,000	14.1	4.9	305 10	57	9.3	14.8	48	15.1	39	15.6	41	71	20.5
Acrolein	---	---	0.44	< 0.094	0.94	< 0.094	0.6	< 0.094	< 0.094	< 0.094	0.62	< 0.094	< 0.094	0.76	0.41
Benzene	120	1,600	1.15	1.79	3.7	1.85	2.36	0.42 J	1.05	0.96	5.4	0.32 J	0.48	1.69	1.18
Bromodichloromethane	2.53	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	0.54 J	< 0.374	< 0.374
Carbon Disulfide	2,433	31,000	6.2	0.59	14.6	9.4	0.28 J	2.68	2.24	1.93	15.6	1.12	19.8	3.4	0.218 J
Carbon Tetrachloride	156	2,000	0.69 J	0.5 J	< 0.307	3.4	0.5 J	0.88 J	10.3	< 0.307	< 0.307	< 0.307	< 0.307	0.76 J	< 0.307
Chlorobenzene	173	2,200	< 0.251	20.8	0.97	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	33,333	440,000	< 0.159	2.77	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.84	< 0.159
Chloroform	3,100	39,000	< 0.3	0.34 J	< 0.3	0.78 J	< 0.3	< 0.3	0.97	< 0.3	< 0.3	< 0.3	9	0.44 J	< 0.3
Chloromethane	3,100	39,000	< 0.831	< 0.831	< 0.831	< 0.831	1.61 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	4.7	< 0.831
cis-1,2-Dichloroethene	---	---	< 0.197	0.75	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	44,000	2.86	4.1	2.62	2.86	0.55 J	0.241 J	0.41 J	< 0.212	0.59 J	< 0.212	0.38 J	1.17	1.45
Dichlorodifluoromethane	3,300	44,000	3.8	2.87	2.62	2.87	2.62	2.57	2.52	2.77	2.82	2.72	2.57	2.37	1.04
Ethanol	---	---	37	19.1	170 10	283	32	179 10	102	12.6	45	27.7	67	83 10	43
Ethyl Acetate	---	---	16.7	< 0.176	< 0.176	1.62	< 0.176	< 0.176	< 0.176	< 0.176	1.48	< 0.176	< 0.176	< 0.176	4.6
Ethylbenzene	370	4,900	0.82	17.1	3.6	0.61 J	0.39 J	0.61 J	0.65	0.39 J	1.04	< 0.203	0.39 J	1.17	0.87
Heptane	---	---	19.4	4.7	6.5	1.8	1.1	0.9	1.92	1.27	27.4	< 0.265	0.65 J	4.5	5.7
Hexane	1,400	18,000	8.7	340	42	1.83	34	2.64	1.62	2.36	38	0.74 J	1.2	3.9	6.3
Isopropyl Alcohol	---	---	7.3	3.8	32	15.5	3.5	14.8	25.5	1.67	8.6	5.7	15	12.6	8.7
m&p-Xylene	333	4,400	1.39	15.7	7.4	2.17	1 J	1.17 J	1.56	0.74 J	1.21	0.56 J	1 J	1.95	1.91
Methyl ethyl ketone (MEK)	17,333	220,000	6	2.18	96	14.1	3.4	2.15	12.9	43	13.5	6.1	8.6	17.4	6.7
Methyl isobutyl ketone (MIBK)	10,333	130,000	0.98	< 0.168	6.4	0.57	< 0.168	0.86	1.88	0.98	1.15	0.78	1.96	3.07	0.53 J
o-Xylene	3,300	44,000	0.61 J	8	3.12	0.87	0.43 J	0.52 J	0.74	0.35 J	0.65 J	0.303 J	1	0.87	1.3
Propene	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
Styrene	3,333	44,000	0.255 J	0.298 J	0.298 J	< 0.181	< 0.181	< 0.181	< 0.181	< 0.181	0.213 J	< 0.181	< 0.181	< 0.181	< 0.181
Tetrachloroethene (PCE)	1,400	18,000	4.4	5.9	10.6	24.7	127	80	4700	5.9	9.6	12.8	15.5	3.5	1.09
Tetrahydrofuran	7,000	88,000	0.85	< 0.131	0.91	1.24	< 0.131	< 0.131	1.15	12.2	2.59	9.8	< 0.131	12.1	2.86
Toluene	170,000	2,200,000	5.6	12.5	21.2	6.8	6.4	5.2	7	23.2	11.7	5.4	6.1	12.9	9.1
trans-1,2-Dichloroethene	---	---	< 0.231	1.15	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
Trichloroethene (TCE)	70	880	0.54 J	1.77	0.96	380	1.12	< 0.237	111	0.86	2.89	3.7	26.9	2.2	2.62
Trichlorofluoromethane	---	---	1.8	1.69	1.29	3.3	1.29	2.13	7.8	1.97	1.74	7	2.47	27.8	11.2
Trichlorotrifluoroethane	---	---	0.69 J	0.61 J	3.9	2.07	0.54 J	0.61 J	3.8	0.54 J	0.54 J	0.54 J	0.46 J	< 0.402	< 0.402
Vinyl Chloride	57	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.46 J	< 0.148	< 0.148	0.64	< 0.148

**Comments**

All results in micrograms per cubic meter (ug/m<sup>3</sup>)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

"10" Code = Linear Range of Calibration Curve Exceeded

VRSL = Vapor Risk Screening Levels

*Italics* indicates detection is above Residential VRSLs

TABLE 2  
SUB-SLAB VAPOR ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

CHEMICAL (ug/m <sup>3</sup> )	SUB-SLAB VAPOR VRSL		WB-SS-14	WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19	WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-23	WB-SS-24	WB-SS-25
	AF = 0.03	AF = 0.01	PRE-DEVELOPMENT											
	RESIDENTIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021
			ug/m <sup>3</sup>											
1,1,1-Trichloroethane	170,000	2,200,000	1.69	0.76 J	78	1.58	17	460	154	36	650	22.4	2.88	1110
1,1-Dichloroethane	600	7,700	< 0.187	< 0.187	0.36 J	< 0.187	< 0.187	2.12	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.238 J
1,2,4-Trimethylbenzene	210	2,600	8.7	2.16	8.5	3.6	7.7	5.2	9.2	3.8	3.7	5.2	3.2	3.8
1,2-Dichlorobenzene	700	8,800	< 0.235	0.71 J	29	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235
1,3,5-Trimethylbenzene	210	2,600	3.3	0.78	3.7	1.03	2.45	2.16	3.2	1.47	1.37	2.16	1.32	1.23
1,3-Butadiene	---	---	< 0.143	< 0.143	< 0.143	3.6	5.4	12.5	4.4	7.5	< 0.143	< 0.143	< 0.143	2.48
1,3-Dichlorobenzene	---	---	< 0.302	< 0.302	0.72 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	110	< 0.302	< 0.302	2.28	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302
1,4-Dioxane	18	250	< 0.157	< 0.157	9.5	< 0.157	< 0.157	4.6	< 0.157	< 0.157	13.8	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	< 0.222	1.02	< 0.222	6.5	19.9	< 0.222	< 0.222	15.8	3.8	3.3	3.07	55
4-Ethyltoluene	---	---	0.74	0.69	2.7	1.32	2.35	1.82	2.6	1.23	1.03	1.42	0.74	0.93
Acetone	106,667	1,400,000	9.5	26.4	288 10	31.4	330	< 0.299	60	211 10	< 0.299	20.2	81	900
Acrolein	---	---	< 0.094	0.83	2.86	2.25	1.38	0.83	1.51	0.73	< 0.094	0.46	0.44	0.71
Benzene	120	1,600	0.86	6	24.7	14.1	30.7	34	27	13.9	4.1	9	2.68	5.2
Bromodichloromethane	2.53	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Carbon Disulfide	2,433	31,000	2.18	207	10.7	3.9	9.8	18.4	12.8	8.4	26	55	272	39
Carbon Tetrachloride	156	2,000	< 0.307	0.94 J	< 0.307	< 0.307	0.88 J	7.8	0.94 J	< 0.307	< 0.307	< 0.307	< 0.307	< 0.307
Chlorobenzene	173	2,200	< 0.251	0.46 J	16.5	< 0.251	0.32 J	1.15	0.32 J	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251
Chloroethane	33,333	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.37 J	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	3,100	39,000	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.34 J	< 0.3	0.54 J	< 0.3	< 0.3	< 0.3	< 0.3
Chloromethane	3,100	39,000	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	1.03 J	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	< 0.197	< 0.197	0.32 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
Cyclohexane	3,333	44,000	3.3	25.2	34	9.4	17.1	25	27.1	14.7	9.9	31	4.8	19.7
Dichlorodifluoromethane	3,300	44,000	1.53	1.88	1.83	1.93	1.78	1.83	1.88	1.93	2.03	1.93	1.93	1.93
Ethanol	---	---	29.7	8.5	15.3	5.8	23.2	38	6.4	20.8	21.7	1.09	4.1	53
Ethyl Acetate	---	---	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176	1.62	< 0.176
Ethylbenzene	370	4,900	3.9	8.3	25.2	24.1	37	23.9	29	10	4.6	128	2.77	5.5
Heptane	---	---	11.8	27.3	115	39	64	71	75	43	19.6	87	8.9	30.3
Hexane	1,400	18,000	5.4	34	140	38	62	78	80	52	37	99	15.2	42
Isopropyl Alcohol	---	---	3.6	4.1	22.6	10.2	49	97	8.5	30.3	43	1.6	< 0.109	79
m&p-Xylene	333	4,400	13.9	9.5	38	18.5	35	36	34	15.7	6.2	350	4.3	10.7
Methyl ethyl ketone (MEK)	17,333	220,000	6.2	12.5	77	20.9	129	291	31	103	8100	23.7	38	252
Methyl isobutyl ketone (MIBK)	10,333	130,000	1.06	1.64	4.7	5.2	34	26.9	3.07	11.3	4.6	25.5	2.91	63
o-Xylene	3,300	44,000	7.7	4	17.2	8.1	14.8	15.9	14.6	6.1	2.82	35	2.3	3.8
Propene	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	770	< 0.079	57	< 0.079
Styrene	3,333	44,000	0.213 J	0.38 J	0.34 J	0.255 J	0.85	2.93	0.89	0.6	0.298 J	0.34 J	0.51 J	0.34 J
Tetrachloroethene (PCE)	1,400	18,000	4.6	2.85	62	4.4	126	15,400	11.1	0.75 J	5.3	14.1	20.4	161
Tetrahydrofuran	7,000	88,000	5.1	2.18	3.8	2.53	4.7	3.9	4.6	3.6	14.3	5.7	6	8
Toluene	170,000	2,200,000	12	31.5	93	72	111	201	87	41	14.4	73	6	14.4
trans-1,2-Dichloroethene	---	---	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
Trichloroethene (TCE)	70	880	< 0.237	2.14	1.18	< 0.237	3.11	23.7	3.05	1.23	8	13	0.37 J	3.5
Trichlorofluoromethane	---	---	18.2	1.24	1.52	1.57	2.25	3.4	2.7	1.91	4.7	21.4	14.8	18.3
Trichlorotrifluoroethane	---	---	< 0.402	0.61 J	5.1	0.84 J	0.77 J	2.15	5.1	0.69 J	0.61 J	0.61 J	0.61 J	0.54 J
Vinyl Chloride	57	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.56	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

**Comments**

All results in micrograms per cubic meter (ug/m<sup>3</sup>)

"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation

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VRSL = Vapor Risk Screening Levels

*Italics* indicates detection is above Residential VRSLs

TABLE 3  
SOIL ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

Sample							B-1	B-2	B-3	B-4	B-5	B-6	WB-SS-2	WB-SS-6	WB-SS-8	WB-SS-12
Depth (feet)	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	5.5-7.5	4-6	4-6	4-6	3-5	3-5	0-1	0-1	0-1	0-1
Soil Type							ML-CL	ML-CL	ML-CL	ML-CL	CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unstaturated	Unsaturated	Unsaturated
Sampling Location							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	3/1/2021	3/1/2021	3/1/2021	3/1/2021
<b>Physical Characteristics</b>																
Percent Moisture							11.9	12.4	11.7	12.1	13.1	11.4	13.8	5.2	10.8	12.5
Percent Solids							88.1	87.6	88.3	87.9	86.9	88.6	86.2	94.8	89.2	87.5
<b>Volatile Organic Compounds (VOCs)</b>																
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.040	<0.036	<0.039	<0.043	<0.046	<0.059	<0.030	<0.030	<0.028	<0.029
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.025	<0.025	<0.023	<0.024
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.026	<0.026	<0.024	<0.025
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.031	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.027	<0.027	<0.025	<0.026
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.025	<0.025	<0.024	<0.025
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.026	<0.024	<0.025	<0.027	<0.030	<0.038	<0.019	<0.019	<0.018	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.040	<0.036	<0.038	<0.042	<0.046	<0.058	<0.030	<0.030	<0.028	<0.029
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.027	<0.027	<0.025	<0.026
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.030	<0.027	<0.029	<0.032	<0.034	<0.044	<0.022	<0.022	<0.021	<0.022
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.046	<0.023	<0.023	<0.022	<0.023
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.17	<0.16	<0.17	<0.18 *	<0.20 *	<0.25 *	<0.13	<0.13	<0.12	<0.13
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.025	<0.025	<0.024	<0.025
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	38	0.064 J	<0.021	<0.021
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.026	<0.025	<0.024	<0.025
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.025	<0.025	<0.023	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.035	<0.032	<0.033	<0.037	<0.040	<0.051	5.8	<0.026	<0.025	<0.025
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.032	<0.029	<0.030	<0.034	<0.036	<0.046	5.3	<0.024	<0.022	<0.023
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.039	<0.035	<0.037	<0.041	<0.044	<0.057	<0.029	<0.029	<0.027	<0.028
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.027	<0.025	<0.026	<0.029	<0.031	<0.040	<0.020	<0.020	<0.019	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.013	<0.012	<0.012	<0.013	<0.015	<0.019	<0.0095	<0.0095	<0.0090	<0.0093
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.045	<0.023	<0.023	<0.022	<0.023
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.024	<0.024	<0.023	<0.024
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.042	<0.038	<0.040	<0.045	<0.048	<0.062	<0.032	<0.031	<0.030	<0.031
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.069 *	<0.063 *	<0.067 *	<0.073 *	<0.080 *	<0.10 *	<0.052	<0.052	<0.049	<0.051
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.025	<0.025	<0.024	<0.024
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	2.1	<0.025	<0.024	<0.025
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.044	<0.040	<0.042	<0.046	<0.050	<0.064	<0.033	<0.033	<0.031	<0.032
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.024	<0.024	<0.023	<0.024
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.028	<0.025	<0.027	<0.029	<0.032	<0.041	<0.021	<0.021	<0.020	<0.020
cis-1,2-Dichloroethane	mg/Kg	8260B	0.0412	156	2,340	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.027	<0.026	<0.025	<0.026
cis-1,3-Dichloropropane	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.036	<0.033	<0.035	<0.038	<0.042	<0.053	<0.027	<0.027	<0.026	<0.027
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.042	<0.039	<0.041	<0.045	<0.049	<0.062	<0.032	<0.032	<0.030	<0.031
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.023	<0.021	<0.023	<0.025	<0.027	<0.034	<0.018	<0.018	<0.017	<0.017
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.059	<0.053	<0.056	<0.062	<0.067	<0.086	<0.044	<0.044	<0.041	<0.043
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.016	<0.014	<0.015	<0.017	<0.018	<0.023	<0.012	<0.012	<0.011	<0.012
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.039	<0.035	<0.037	<0.041	<0.045	<0.057	<0.029	<0.029	<0.027	<0.028
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.024	<0.022	<0.023	<0.025	<0.028	<0.035	<0.018	<0.018	<0.017	<0.018
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.025	<0.025	<0.024	<0.024
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.026	<0.026	<0.024	<0.025
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.14	<0.13	<0.14	<0.15	<0.16	<0.21	<0.11	<0.11	<0.10	<0.10
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	<0.022	<0.022	<0.021	<0.021
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.034	<0.031	<0.032	<0.036	<0.039	<0.049	0.050 J	<0.025	<0.024	<0.025
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.027	<0.027	<0.025	<0.026
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	0.063 J	<0.026	<0.024	<0.025
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.025	<0.025	<0.024	<0.025
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.026	<0.026	<0.024	<0.025
Tetrachloroethane	mg/Kg	8260B	0.0045	33	145	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	0.12	<0.024	<0.023	<0.024

TABLE 3  
SOIL ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	WB-SS-2	WB-SS-6	WB-SS-8	WB-SS-12
							5.5-7.5	4-6	4-6	4-6	3-5	3-5	0-1	0-1	0-1	0-1
							ML-CL	ML-CL	ML-CL	ML-CL	CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL
							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unstaturated	Unsaturated	Unsaturated
							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior
Sampling Date	4/10/2020															
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.013	<0.012	<0.012	<0.014	<0.015	<0.019	<0.0096	<0.0095	<0.0090	<0.0094
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.014	<0.013	<0.014	<0.015	<0.016	<0.021	<b>0.013 J</b>	<0.011	<0.010	<0.010
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.023	<0.021	<0.022	<0.024	<0.026	<0.033	<0.017	<0.017	<0.016	<0.017
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.019	<0.017	<0.018	<0.020	<0.022	<0.028	<0.014	<0.014	<0.014	<0.014
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>																
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	<0.0091	<0.0092	<0.0092	<0.0091	<0.0093	<0.0090	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	<0.0069	<0.0069	<0.0069	<0.0069	<0.0070	<0.0068	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	<0.0067	<0.0068	<0.0068	<0.0067	<0.0068	<0.0066	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	<0.0049	<0.0050	<0.0050	<0.0049	<0.0050	<0.0048	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	<0.0063	<0.0063	<0.0063	<0.0063	<0.0064	<0.0061	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	<0.0050	<0.0051	<0.0051	<0.0050	<0.0051	<0.0049	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	<0.0081	<0.0081	<0.0081	0.0090 J	<0.0082	<0.0079	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---	---	---
Dibenz[a,h]anthracene	mg/Kg	8270D	---	0.115	2	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	<0.0069	<0.0070	<0.0070	<0.0069	<0.0071	<0.0068	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0052	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	<0.0097	<0.0097	<0.0097	<0.0097	<0.0099	<0.0095	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	<0.0058	<0.0058	<0.0058	0.0061 J	<0.0059	<0.0057	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	<0.0052	<0.0052	<0.0052	0.0089 J	<0.0053	<0.0051	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	<0.0074	<0.0075	<0.0075	0.0092 J	<0.0076	<0.0073	---	---	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>																
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	---	<0.0067	---	---	<0.019	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	---	---	---	---	<0.0084	---	---	<0.023	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	---	---	---	---	<0.0083	---	---	<0.023	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	<0.0062	---	---	<0.017	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	<0.0075	---	---	<0.021	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	---	---	---	---	<0.0041	---	---	<b>0.014 J</b>	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	---	---	---	---	<0.0093	---	---	<0.026	---	---
<b>RCRA Metals</b>																
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	5	7.7	4.6	3.5	5.2	4.4	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	42 V	50	29	32	39	36	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	0.19 B	0.40 B	0.28 B	0.23 B	0.25 B	0.26 B	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	15	18	13	12	15	15	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	9.3	22	12	8.2	9.7	9	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	0.019	0.018	0.015 J	0.012 J	0.013 J	0.011 J	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	<0.57	<0.64	<0.60	<0.60	<0.59	<0.58	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	0.27 J	0.24 J	0.23 J	0.19 J	0.24 J	0.23 J	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

\*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3  
 SOIL ANALYTICAL RESULTS  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-SS-14	WB-Int-1	WB-Int-2	WB-Int-3	WB-Int-4	WB-Int-5	WB-Int-6	WB-Int-7	WB-Int-8	WB-Int-9	
							0-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5		
							ML-CL	SP-CL	ML-CL	ML-CL	ML-CL	SP-CL	ML-CL	ML-CL	GW-SW	SP-CL	ML-CL
							Unsaturated	Moist	Moist	Moist	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Moist	
							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	
Sampling Date	3/1/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	
<b>Physical Characteristics</b>																	
Percent Moisture							8.6	12.3	13.0	13.1	10.4	13.4	10.7	10.1	8.9	12.1	
Percent Solids							91.4	87.7	87.0	86.9	89.6	86.6	89.3	89.9	91.1	87.9	
<b>Volatile Organic Compounds (VOCs)</b>																	
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.027	<0.029	<0.029	<0.030	<0.029	<0.030	<0.029	<0.028	<0.028	<0.029	
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.023	<0.023	<0.023	<0.024	
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025	
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022	
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.024	<0.026	<0.026	<0.027	<0.026	<0.027	<0.025	<0.025	<0.024	<0.026	
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.023	<0.025	<0.024	<0.026	<0.024	<0.026	<0.024	<0.024	<0.023	<0.025	
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.019	<0.019	<0.020	<0.019	<0.020	<0.018	<0.018	<0.018	<0.019	
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.027	<0.029	<0.029	<0.030	<0.029	<0.030	<0.028	<0.028	<0.027	<0.029	
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026	
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.020	<0.022	<0.021	<0.023	<0.021	<0.022	<0.021	<0.021	<0.020	<0.022	
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	0.34	<0.023	<0.022	<0.024	<0.022	<0.023	<0.022	<0.022	<0.021	<0.023	
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12	<0.13	<0.12	<0.13	<0.12	<0.13	<0.12	<0.12	<0.12	<0.13	
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.023	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024	
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021	
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.023	<0.025	<0.024	<0.026	<0.024	<0.026	<0.024	<0.024	<0.023	<0.025	
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027	
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	0.13	<0.024	<0.024	<0.024	<0.025	<0.024	<0.025	<0.023	<0.023	<0.024	
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025	
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023	
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023	
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.026	<0.028	<0.028	<0.029	<0.028	<0.029	<0.027	<0.027	<0.026	<0.028	
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.020	<0.020	<0.021	<0.020	<0.021	<0.019	<0.019	<0.019	<0.020	
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022	
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	0.47 F1	<0.0093	<0.0091	<0.0096	<0.0091	<0.0096	<0.0090	<0.0089	<0.0087	<0.0092	
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.021	<0.023	<0.022	<0.023	<0.022	<0.023	<0.022	<0.022	<0.021	<0.022	
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027	
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.022	<0.024	<0.023	<0.025	<0.023	<0.024	<0.023	<0.023	<0.022	<0.024	
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.029	<0.031	<0.030	<0.032	<0.030	<0.032	<0.030	<0.029	<0.029	<0.031	
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.047	<0.051	<0.050	<0.053	<0.050	<0.052	<0.049	<0.048	<0.047	<0.050	
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.024	<0.023	<0.023	<0.024	
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.023	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024	
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.030	<0.032	<0.031	<0.033	<0.031	<0.033	<0.031	<0.031	<0.030	<0.032	
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.022	<0.024	<0.023	<0.024	<0.023	<0.024	<0.023	<0.023	<0.022	<0.023	
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.019	<0.020	<0.020	<0.021	<0.020	<0.021	<0.020	<0.019	<0.019	<0.020	
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.024	<0.026	<0.025	<0.027	<0.025	<0.027	<0.025	<0.025	<0.024	<0.026	
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.025	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026	
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.029	<0.031	<0.030	<0.032	<0.030	<0.032	<0.030	<0.030	<0.029	<0.031	
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.016	<0.017	<0.017	<0.018	<0.017	<0.018	<0.017	<0.016	<0.016	<0.017	
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.040	<0.043	<0.042	<0.044	<0.042	<0.044	<0.042	<0.041	<0.040	<0.043	
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	0.18	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.012	
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.028	<0.028	<0.029	<0.028	<0.029	<0.028	<0.027	<0.027	<0.028	
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.016	<0.018	<0.017	<0.018	<0.017	<0.018	<0.017	<0.016	<0.016	<0.017	
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.024	<0.023	<0.023	<0.024	
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.023	<0.025	<0.025	<0.026	<0.025	<0.026	<0.024	<0.024	<0.024	<0.025	
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.097	0.20 J B	0.62 B	0.65 B	0.60 B	0.61 B	0.58 B	0.57 B	0.57 B	<0.10	
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	0.25	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021	
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	0.10	<0.025	<0.024	<0.026	<0.024	<0.025	<0.024	<0.023	<0.023	<0.025	
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	0.050 J	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026	
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023	
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025	
Styrene	mg/Kg	8260B	0.22	867	867	---	0.078	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024	
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025	
Tetrachloroethane	mg/Kg	8260B	0.0045	33	145	---	<0.022	<0.024	<0.023	<0.024	<0.023	<0.024	0.31	3.0	<0.022	<0.023	

TABLE 3  
SOIL ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-SS-14	WB-Int-1	WB-Int-2	WB-Int-3	WB-Int-4	WB-Int-5	WB-Int-6	WB-Int-7	WB-Int-8	WB-Int-9
							0-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5
Depth (feet)							ML-CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Type							Unsaturated	Moist	Moist	Moist	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Moist
Soil Conditions							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Location							3/1/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/2/2021
Sampling Date																
Toluene	mg/Kg	8260B	1.1072	818	818	---	0.32	0.028	<0.0092	<0.0097	<0.0092	<0.0096	<0.0091	<0.0090	<0.0088	<0.0093
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.0098	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<b>0.021 J</b>	<0.0098	<0.010
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.017	<0.016	<0.017	<0.016	<0.017	<0.016	<0.016	<0.016	<0.017
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	0.73	<0.014	<0.014	<0.015	<0.014	<0.014	<0.014	<0.013	<0.013	<0.014
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>																
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>																
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.12	<0.0067	<0.0065	<0.0068	<0.0066	<0.0067	<0.0064	<0.0065	<0.0064	<0.0066
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.16	<0.0084	<0.0081	<0.0084	<0.0082	<0.0083	<0.0080	<0.0081	<0.0079	<0.0083
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.15	<0.0083	<0.0080	<0.0083	<0.0081	<0.0082	<0.0079	<0.0080	<0.0079	<0.0082
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.12	<0.0062	<0.0061	<0.0063	<0.0061	<0.0062	<0.0060	<0.0061	<0.0059	<0.0062
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.14	<0.0075	<0.0073	<0.0075	<0.0073	<0.0074	<0.0072	<0.0073	<0.0071	<b>0.025</b>
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	<b>2.7</b>	<b>0.17</b>	<b>0.083</b>	<b>0.023</b>	<b>0.051</b>	0.0084 J	<0.0039	<0.0040	<0.0039	<0.0040
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	<0.17	<0.0093	<0.0091	<0.0094	<0.0091	<0.0093	<0.0089	<0.0091	<0.0089	<0.0092
<b>RCRA Metals</b>																
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

\*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3  
SOIL ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-Int-10	WB-Int-11	WB-Int-12	WB-Int-13	WB-Int-14	WB-Int-15	WB-Int-16	WB-Int-17	RTS-1	RTS-2	Trip Blank	
Depth (feet)							0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5
Soil Type							ML-CL	ML-CL	ML-CL	SP-CL	SW	ML-CL	ML-CL	CL-SP	SP	GP	---	
Soil Conditions							Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist	Unsaturated	---	
Sampling Location							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	---
Sampling Date							4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	3/3/2021	4/6/2021	4/2/2021
<b>Physical Characteristics</b>																		
Percent Moisture							12.8	12.9	12.4	13.4	5.2	11.5	14.7	14.1	15.5	5.1	14.1	
Percent Solids							87.2	87.1	87.6	86.6	94.8	88.5	85.3	85.9	84.5	94.9	85.9	
<b>Volatile Organic Compounds (VOCs)</b>																		
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.028	<0.030	<0.030	<0.030	<0.025	<0.029	<0.029	<0.030	<0.031	<0.049	<0.023	
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.024	<0.024	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	<0.040	<0.019	
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.042	<0.020	
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.021	<0.023	<0.023	<0.023	<0.019	<0.022	<0.022	<0.023	<0.023	<0.037	<0.018	
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.025	<0.026	<0.026	<0.026	<0.022	<0.025	<0.026	<0.027	<0.027	<0.044 *+	<0.021	
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.026	<0.041	<0.020	
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.019	<0.019	<0.019	<0.016	<0.019	<0.019	<0.020	<0.020	<0.032	<0.015	
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.028	<0.029	<0.029	<0.030	<0.025	<0.028	<0.029	<0.030	<0.030	<0.049	<0.023	
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025	<0.026	<0.026	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027	<0.044	<0.021	
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.021	<0.022	<0.022	<0.022	<0.019	<0.021	<0.022	<0.023	<0.023	<0.036	<0.017	
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.024	0.5	<0.018	
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12	<0.13	<0.13	<0.13	<0.11	<0.12	<0.13	<0.13	<0.13	<0.21	<0.10	
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.026	<0.041	<0.019	
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	<0.021	<0.022	<0.022	<0.036	<0.017	
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.026	<0.042	<0.020	
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.028	<0.046 *+	<0.021	
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.023	<0.024	<0.024	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	0.17	<0.019	
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.024	<0.026	<0.026	<0.026	<0.022	<0.025	<0.025	<0.026	<0.027	<0.043	<0.020	
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.024	<0.039	<0.018	
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.023	<0.023	<0.024	<0.024	<0.039	<0.018	
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.027	<0.028	<0.028	<0.029	<0.024	<0.028	<0.028	<0.029	<0.029	<0.047	<0.022	
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.020	<0.020	<0.020	<0.017	<0.020	<0.020	<0.021	<0.021	<0.033	<0.016	
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.022	<0.022	<0.023	<0.019	<0.022	<0.022	<0.023	<0.023	<0.037	<0.018	
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.0089	<0.0093	<0.0093	<0.0094	<0.0080	<0.0091	<0.0092	<0.0096	<0.0097	<b>0.022 J</b>	<0.0073	
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.022	<0.023	<0.023	<0.023	<0.019	<0.022	<0.022	<0.023	<0.024	<0.038	<0.018	
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.028	<0.046	<0.021	
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.025	<0.025	<0.040	<0.019	
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.029	<0.031	<0.031	<0.031	<0.026	<0.030	<0.030	<0.032	<0.032	<0.051	<0.024	
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.048	<0.051	<0.051	<0.051	<0.043	<0.049	<0.050	<0.053	<0.053	<0.085	<0.040	
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	<0.041	<0.019	
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.026	<0.041	<0.019	
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.031	<0.032	<0.032	<0.033	<0.027	<0.031	<0.032	<0.033	<0.033	<0.054	<0.025	
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.024	<0.025	<0.039	<0.019	
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.019	<0.020	<0.020	<0.021	<0.017	<0.020	<0.020	<0.021	<0.021	<0.034	<0.016	
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.025	<0.026	<0.026	<0.026	<0.022	<0.025	<0.026	<0.027	<0.027	<0.043	<0.020	
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.025	<0.027	<0.027	<0.027	<0.023	<0.026	<0.026	<0.027	<0.028	<0.044	<0.021	
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.030	<0.031	<0.031	<0.032	<0.027	<0.030	<0.031	<0.032	<0.032	<0.052	<0.024	
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.016	<0.017	<0.017	<0.017	<0.015	<0.017	<0.017	<0.018	<0.018	<0.029	<0.014	
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.041	<0.043	<0.043	<0.044	<0.037	<0.042	<0.042	<0.044	<0.045	<0.072	<0.034	
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.011	<0.012	<0.012	<0.012	<0.010	<0.011	<0.012	<0.012	<0.012	0.066	<0.0092	
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.029	<0.029	<0.029	<0.024	<0.028	<0.028	<0.029	<0.030	<0.047	<0.022	
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.017	<0.018	<0.018	<0.018	<0.015	<0.017	<0.017	<0.018	<0.018	<0.029	<0.014	
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	<0.075 J	<0.019	
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.026	<0.042	<0.020	
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.099	<0.10	<0.10	<0.11	<0.089	<b>0.20 J B</b>	<b>0.20 J B</b>	<b>0.20 J B</b>	<0.11	<0.17	<b>0.16 J B</b>	
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	0.024 J	<0.022	<0.022	0.63	<0.017	
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.026	<0.026	0.057 J	<0.019	
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.025	<0.026	<0.026	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027	0.07 J	<0.021	
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.024	0.049 J	<0.018	
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.042	<0.020	
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.026	<0.041	<0.019	
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.042	<0.020	
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.024	<0.025	<b>0.12</b>	<0.019	

TABLE 3  
SOIL ANALYTICAL RESULTS  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
MILWAUKEE, WI  
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-Int-10	WB-Int-11	WB-Int-12	WB-Int-13	WB-Int-14	WB-Int-15	WB-Int-16	WB-Int-17	RTS-1	RTS-2	Trip Blank
							0.5-1.5 ML-CL	0.5-1.5 ML-CL	0.5-1.5 ML-CL	0.5-1.5 SP-CL	0.5-1.5 SW	0.5-1.5 ML-CL	0.5-1.5 ML-CL	0.5-1.5 CL-SP	0-2 SP	0.5-2.5 GP	---
Depth (feet)																	
Soil Type																	
Soil Conditions																	
Sampling Location																	
Sampling Date							4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	3/3/2021	4/6/2021	4/2/2021
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.0089	<0.0094	<0.0094	<0.0095	<0.0080	<0.0091	<0.0092	<0.0097	0.027	0.062	<0.0074
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.022	<0.022	<0.023	<0.019	<0.022	<0.022	<0.023	<0.023	<0.037	<0.018
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.024	<0.039	<0.018
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.010	<b>0.031 J</b>	<0.010	<0.011	<0.0089	<0.010	<0.010	<0.011	<b>0.019 J</b>	<b>0.69</b>	<0.0082
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.028	<0.046	<0.021
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.017	<0.017	<0.017	<0.014	<0.016	<0.016	<0.017	<0.017	<0.028	<0.013
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.013	<0.014	<0.014	<0.014	<0.012	<0.014	0.028 J	<0.015	<0.015	0.83	<0.011
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>																	
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	0.018 J	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	0.022 J	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	<0.0071	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	<0.0052	---	---
Anthracene	mg/Kg	8270D	196,9492	17,900	100,000	---	---	---	---	---	---	---	---	---	<0.0066	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	0.021 J	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	0.020 J	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	0.030 J	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	0.015 J F1	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	<0.012	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	0.034 J	---	---
Dibenz[a,h]anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	<0.0076	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	0.044	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	<0.0055	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	0.017 J F1	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	0.014 J	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	0.052	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	0.041	---	---
<b>Polychlorinated Biphenyls (PCBs)</b>																	
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.0067	<0.0068	<0.0067	<0.0068	<0.0062	<0.0066	<0.069	<0.034	<0.0069	<0.0061	---
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.0083	<0.0084	<0.0084	<0.0084	<0.0077	<0.0083	<0.085	<0.042	<0.0086	<0.0076	---
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.0082	<0.0083	<0.0083	<0.0084	<0.0076	<0.0082	<0.085	<0.041	<0.0085	<0.0076	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.0062	<0.0063	<0.0062	<0.0063	<0.0057	<0.0062	<0.064	<0.031	<b>0.071</b>	<0.0057	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.0074	<0.0075	<0.0075	<b>0.19</b>	<b>0.20</b>	<0.0074	<0.076	<b>0.35</b>	<0.0077	<0.0068	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	<0.0041	<0.0041	0.0059 J	<0.0041	<0.0038	<0.0041	<b>0.49</b>	<0.020	<0.0042	<b>0.018</b>	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	<0.0093	<0.0094	<0.0093	<0.0094	<0.0086	<0.0092	<0.095	<0.047	<0.0096	<0.0085	---
<b>RCRA Metals</b>																	
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---	---	5.5	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	---	---	69	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	---	---	0.31	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	---	---	15	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---	---	14	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	0.049	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	<0.68	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	0.27 J	---	---

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

\*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 4  
 SOIL ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	B-1	B-2	B-3	B-4	B-5	B-6	WB-SS-2	WB-SS-6	WB-SS-8	WB-SS-12
Depth (feet)						5.5-7.5	4-6	4-6	4-6	3-5	3-5	0-1	0-1	0-1	0-1
Soil Type						ML-CL	ML-CL	ML-CL	ML-CL	CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Conditions						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated
Sampling Location						Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior
Sampling Date	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	3/1/2021	3/1/2021	3/1/2021	3/1/2021					
<b>Physical Characteristics</b>															
Percent Moisture						11.9	12.4	11.7	12.1	13.1	11.4	13.8	5.2	10.8	12.5
Percent Solids						88.1	87.6	88.3	87.9	86.9	88.6	86.2	94.8	89.2	87.5
<b>Volatile Organic Compounds (VOCs)</b>															
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.031	<0.028	<0.030	<0.033	<0.036	<0.046	<0.023	<0.023	<0.022	<0.023
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	<b>38</b>	0.064 J	<0.021	<0.021
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.025	<0.025	<0.023	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.035	<0.032	<0.033	<0.037	<0.040	<0.051	0.58	<0.026	<0.025	<0.025
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.032	<0.029	<0.030	<0.034	<0.036	<0.046	<b>5.3</b>	<0.024	<0.022	<0.023
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.013	<0.012	<0.012	<0.013	<0.015	<0.019	<0.0095	<0.0095	<0.0090	<0.0093
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	2.1	<0.025	<0.024	<0.025
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.016	<0.014	<0.015	<0.017	<0.018	<0.023	<0.012	<0.012	<0.011	<0.012
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.14	<0.13	<0.14	<0.15	<0.16	<0.21	<0.11	<0.11	<0.10	<0.10
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	<0.022	<0.022	<0.021	<0.021
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.034	<0.031	<0.032	<0.036	<0.039	<0.049	0.050 J	<0.025	<0.024	<0.025
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.027	<0.027	<0.025	<0.026
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	0.063 J	<0.026	<0.024	<0.025
Styrene	mg/Kg	8260B	0.22	867	867	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.025	<0.025	<0.024	<0.025
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<b>0.12</b>	<0.024	<0.023	<0.024
Toluene	mg/Kg	8260B	1.1072	818	818	<0.013	<0.012	<0.012	<0.014	<0.015	<0.019	<0.0096	<0.0095	<0.0090	<0.0094
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	<0.014	<0.013	<0.014	<0.015	<0.016	<0.021	<b>0.013 J</b>	<0.011	<0.010	<0.010
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	<0.019	<0.017	<0.018	<0.020	<0.022	<0.028	<0.014	<0.014	<0.014	<0.014
<b>Polychlorinated Biphenyls (PCBs)</b>															
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	<0.0062	---	---	<0.017	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	<0.0075	---	---	<0.021	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	---	---	---	<0.0041	---	---	<b>0.014 J</b>	---	---

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

TABLE 4  
 SOIL ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	WB-SS-14	WB-Int-1	WB-Int-2	WB-Int-3	WB-Int-4	WB-Int-5	WB-Int-6	WB-Int-7	WB-Int-8	WB-Int-9				
Depth (feet)						0-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5			
Soil Type						ML-CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Conditions						Unsaturated	Moist	Moist	Moist	Unsaturated	Moist	Unsaturated	Moist	Unsaturated	Moist	Unsaturated	Moist	Unsaturated	Moist
Sampling Location						Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Date						3/1/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021
<b>Physical Characteristics</b>																			
Percent Moisture						8.6	12.3	13.0	13.1	10.4	13.4	10.7	10.1	8.9	12.1				
Percent Solids						91.4	87.7	87.0	86.9	89.6	86.6	89.3	89.9	91.1	87.9				
<b>Volatile Organic Compounds (VOCs)</b>																			
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	0.34	<0.023	<0.022	<0.024	<0.022	<0.023	<0.022	<0.022	<0.021	<0.023				
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.020	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021				
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	0.13	<0.024	<0.024	<0.025	<0.024	<0.025	<0.023	<0.023	<0.023	<0.024				
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025				
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023				
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<b>0.47 F1</b>	<0.0093	<0.0091	<0.0096	<0.0091	<0.0096	<0.0090	<0.0089	<0.0087	<0.0092				
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.023	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024				
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	0.18	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.012				
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.097	<b>0.20 J B</b>	<b>0.62 B</b>	<b>0.65 B</b>	<b>0.60 B</b>	<b>0.61 B</b>	<b>0.58 B</b>	<b>0.57 B</b>	<b>0.57 B</b>	<0.10				
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	0.25	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021				
n-Butylbenzene	mg/Kg	8260B	---	108	108	0.10	<0.025	<0.024	<0.026	<0.024	<0.025	<0.024	<0.024	<0.023	<0.025				
N-Propylbenzene	mg/Kg	8260B	---	264	264	0.050 J	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026				
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025				
Styrene	mg/Kg	8260B	0.22	867	867	0.078	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024				
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.022	<0.024	<0.023	<0.024	<0.023	<0.024	<b>0.31</b>	<b>3.0</b>	<0.022	<0.023				
Toluene	mg/Kg	8260B	1.1072	818	818	0.32	0.028	<0.0092	<0.0097	<0.0092	<0.0096	<0.0091	<0.0090	<0.0088	<0.0093				
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	<0.0098	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	<b>0.021 J</b>	<0.0098	<0.010				
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	0.73	<0.014	<0.014	<0.015	<0.014	<0.014	<0.014	<0.013	<0.013	<0.014				
<b>Polychlorinated Biphenyls (PCBs)</b>																			
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	<0.12	<0.0062	<0.0061	<0.0063	<0.0061	<0.0062	<0.0060	<0.0061	<0.0059	<0.0062				
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	<0.14	<0.0075	<0.0073	<0.0075	<0.0073	<0.0074	<0.0072	<0.0073	<0.0071	<b>0.025</b>				
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	<b>2.7</b>	<b>0.17</b>	<b>0.083</b>	<b>0.023</b>	<b>0.051</b>	0.0084 J	<0.0039	<0.0040	<0.0039	<0.0040				

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

TABLE 4  
 SOIL ANALYTICAL RESULTS - CONTAMINANTS OF CONCERN  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	WB-Int-10	WB-Int-11	WB-Int-12	WB-Int-13	WB-Int-14	WB-Int-15	WB-Int-16	WB-Int-17	RTS-1	RTS-2	Trip Blank
Depth (feet)						0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0-2	0.5-2.5	---
Soil Type						ML-CL	ML-CL	ML-CL	SP-CL	SW	ML-CL	ML-CL	CL-SP	SP	GP	---
Soil Conditions						Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist	Unsaturated	---
Sampling Location						Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	---
Sampling Date	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	3/3/2021	4/6/2021	4/2/2021				
<b>Physical Characteristics</b>																
Percent Moisture						12.8	12.9	12.4	13.4	5.2	11.5	14.7	14.1	15.5	5.1	14.1
Percent Solids						87.2	87.1	87.6	86.6	94.8	88.5	85.3	85.9	84.5	94.9	85.9
<b>Volatile Organic Compounds (VOCs)</b>																
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.024	0.5	<0.018
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	<0.021	<0.022	<0.022	<0.036	<0.017
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.023	<0.024	<0.024	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	0.17	<0.019
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.024	<0.026	<0.026	<0.026	<0.022	<0.025	<0.025	<0.026	<0.027	<0.043	<0.020
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.022	<0.023	<0.023	<0.023	<0.020	<0.023	<0.023	<0.024	<0.024	<0.039	<0.018
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0089	<0.0093	<0.0093	<0.0094	<0.0080	<0.0091	<0.0092	<0.0096	<0.0097	<b>0.022 J</b>	<0.0073
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.026	<0.041	<0.019
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.011	<0.012	<0.012	<0.012	<0.010	<0.011	<0.012	<0.012	<0.012	0.066	<0.0092
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.099	<0.10	<0.10	<0.11	<0.089	<b>0.20 J B</b>	<b>0.20 J B</b>	<b>0.20 J B</b>	<0.11	<0.17	<b>0.16 J B</b>
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	0.024 J	<0.022	<0.022	0.63	<0.017
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.026	<0.026	0.057 J	<0.019
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.025	<0.026	<0.026	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027	0.07 J	<0.021
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.042	<0.020
Styrene	mg/Kg	8260B	0.22	867	867	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.026	<0.041	<0.019
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.024	<0.025	<b>0.12</b>	<0.019
Toluene	mg/Kg	8260B	1.1072	818	818	<0.0089	<0.0094	<0.0094	<0.0095	<0.0080	<0.0091	<0.0092	<0.0097	0.027	0.062	<0.0074
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	<0.010	<b>0.031 J</b>	<0.010	<0.011	<0.0089	<0.010	<0.010	<0.011	<b>0.019 J</b>	<b>0.69</b>	<0.0082
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	<0.013	<0.014	<0.014	<0.014	<0.012	<0.014	0.028 J	<0.015	<0.015	0.83	<0.011
<b>Polychlorinated Biphenyls (PCBs)</b>																
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	<0.0062	<0.0063	<0.0062	<0.0063	<0.0057	<0.0062	<0.064	<0.031	<b>0.071</b>	<0.0057	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	<0.0074	<0.0075	<0.0075	<b>0.19</b>	<b>0.20</b>	<0.0074	<0.076	<b>0.35</b>	<0.0077	<0.0068	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	<0.0041	<0.0041	0.0059 J	<0.0041	<0.0038	<0.0041	<b>0.49</b>	<0.020	<0.0042	<b>0.018</b>	---

(1) From WDNR RCLs Worksheet dated December 2018

**BOLD** values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

\*\* = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

\*\*\* = Combined established standard of PCBs

TABLE 5  
 PFAS ANALYTICAL RESULTS  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK  
 MILWAUKEE, WI  
 PROJECT NUMBER: 40443

Sample	Units	NR 720 Non-Industrial Direct Contact RCL	NR 720 Industrial Direct Contact RCL	B-13	B-14	B-15
Depth (feet)				5-6	8.5-9.5	8.5-9.5
Soil Type				Clayey SAND	Clayey SAND	Clayey SAND
Soil Conditions				Unsaturated	Unsaturated	Unsaturated
Sampling Date				4/7/2020	4/7/2020	4/7/2020
<b>Physical Characteristics</b>						
Percent Moisture	%	---	---	12.2	17.7	13.5
Percent Solids	%	---	---	87.8	82.3	86.5
<b>Method 537 (modified) - Fluorinated Alkyl Substances</b>						
Perfluorobutanoic acid (PFBA)	ug/Kg	---	---	0.040 J B	0.041 J B	0.21 J B
Perfluoropentanoic acid (PFPeA)	ug/Kg	---	---	<0.087	<0.093	<0.088
Perfluorohexanoic acid (PFHxA)	ug/Kg	---	---	<0.047	<0.051	<0.048
Perfluoroheptanoic acid (PFHpA)	ug/Kg	---	---	<0.033	<0.035	<0.033
Perfluorooctanoic acid (PFOA)	ug/Kg	1260	16,400	<0.097	<0.10	<0.098
Perfluorononanoic acid (PFNA)	ug/Kg	---	---	<0.041	<0.043	<0.041
Perfluorodecanoic acid (PFDA)	ug/Kg	---	---	<0.025	<0.027	<0.025
Perfluoroundecanoic acid (PFUnA)	ug/Kg	---	---	<0.041	<0.043	<0.041
Perfluorododecanoic acid (PFDoA)	ug/Kg	---	---	<0.076	<0.081	<0.076
Perfluorotridecanoic acid (PFTriA)	ug/Kg	---	---	<0.057	<0.062	<0.058
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	---	---	<0.061	<0.065	<0.062
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	---	---	<0.050	<0.053	<0.050
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	---	---	<0.032	<0.034	<0.032
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	---	---	<0.028	<0.030	<0.029
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	---	---	<0.023	<0.024	<0.023
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	---	---	<0.035	<0.037	<0.035
Perfluoroheptanesulfonic acid (PFHpS)	ug/Kg	---	---	<0.039	<0.042	<0.040
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	1260	16,400	<0.23	<0.24	<0.23
Perfluoronanesulfonic acid (PFNS)	ug/Kg	---	---	<0.023	<0.024	<0.023
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	---	---	<0.044	<0.047	<0.044
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	---	---	<0.068	<0.072	<0.068
Perfluorooctanesulfonamide (FOSA)	ug/Kg	---	---	<0.092	<0.099	<0.094
NEFOSA	ug/Kg	---	---	<0.027	<0.029	<0.027
NMeFOSA	ug/Kg	---	---	<0.046	<0.050	<0.047
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	---	---	<0.44	<0.47	<0.44
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	---	---	<0.42	<0.45	<0.42
NMeFOSE	ug/Kg	---	---	<0.080	<0.086	<0.081
NEFOSE	ug/Kg	---	---	<0.041	<0.043	<0.041
4:2 FTS	ug/Kg	---	---	<0.42	<0.45	<0.42
6:2 FTS	ug/Kg	---	---	<0.17	<0.18	<0.17
8:2 FTS	ug/Kg	---	---	<0.28	<0.30	<0.29
10:2 FTS	ug/Kg	---	---	<0.056	<0.060	<0.057
DONA	ug/Kg	---	---	<0.020	<0.022	<0.021
HFPO-DA (GenX)	ug/Kg	---	---	<0.12	<0.13	<0.13
F-53B Major	ug/Kg	---	---	<0.030	<0.033	<0.031
F-53B Minor	ug/Kg	---	---	<0.25	<0.027	<0.025

NOTES:

All results in micrograms per kilogram (ug/Kg)  
 B = Compound was found in the blank and sample  
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value  
 RL = Reporting Limit or Requested Limit (Radiochemistry)  
 MDL = Method Detection Limit

## APPENDICES

APPENDIX A

Synergy Environmental Labs, Inc. Sub-Slab Vapor Laboratory Reports

# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

K. VANDERHEIDEN  
K SINGH & ASSOCIATES  
3636 N. 124TH STREET  
MILWAUKEE. WI 53222

Report Date 11-Mar-21

Project Name COMMUNITY WITHIN THE CORRIDOR Invoice # E39121  
Project # 40420  
Lab Code 5039121A  
Sample ID WB-SS-1  
Sample Matrix Air  
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	14.1	ug/m3	0.299	0.95	1	TO-15		3/5/2021	CJR	1
Acrolein	0.44	ug/m3	0.094	0.299	1	TO-15		3/5/2021	CJR	1
Benzene	1.15	ug/m3	0.136	0.433	1	TO-15		3/5/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/5/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/5/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/5/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/5/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/5/2021	CJR	1
Carbon Disulfide	6.2	ug/m3	0.138	0.44	1	TO-15		3/5/2021	CJR	1
Carbon Tetrachloride	0.69 "J"	ug/m3	0.307	0.978	1	TO-15		3/5/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/5/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/5/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/5/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/5/2021	CJR	1
Cyclohexane	2.86	ug/m3	0.212	0.674	1	TO-15		3/5/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/5/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/5/2021	CJR	1
Dichlorodifluoromethane	3.8	ug/m3	0.263	0.836	1	TO-15		3/5/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/5/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/5/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/5/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
Project # 40420

Invoice # E39121

Lab Code 5039121A  
Sample ID WB-SS-1  
Sample Matrix Air  
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/5/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/5/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/5/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/5/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/5/2021	CJR	1
Ethanol	37	ug/m3	0.152	0.482	1	TO-15		3/5/2021	CJR	1
Ethyl Acetate	16.7	ug/m3	0.176	0.559	1	TO-15		3/5/2021	CJR	1
Ethylbenzene	0.82	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/5/2021	CJR	1
Heptane	19.4	ug/m3	0.265	0.845	1	TO-15		3/5/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/5/2021	CJR	1
Hexane	8.7	ug/m3	0.235	0.748	1	TO-15		3/5/2021	CJR	1
2-Hexanone	0.74	ug/m3	0.222	0.707	1	TO-15		3/5/2021	CJR	1
Isopropyl Alcohol	7.3	ug/m3	0.109	0.347	1	TO-15		3/5/2021	CJR	1
Methyl ethyl ketone (MEK)	6.0	ug/m3	0.178	0.567	1	TO-15		3/5/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		3/5/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/5/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/5/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/5/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/5/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/5/2021	CJR	1
Styrene	0.255 "J"	ug/m3	0.181	0.577	1	TO-15		3/5/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/5/2021	CJR	1
Tetrachloroethene	4.4	ug/m3	0.278	0.884	1	TO-15		3/5/2021	CJR	1
Tetrahydrofuran	0.85	ug/m3	0.131	0.417	1	TO-15		3/5/2021	CJR	1
Toluene	5.6	ug/m3	0.184	0.585	1	TO-15		3/5/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/5/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/5/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/5/2021	CJR	1
Trichloroethene (TCE)	0.54 "J"	ug/m3	0.237	0.754	1	TO-15		3/5/2021	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		3/5/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		3/5/2021	CJR	1
1,2,4-Trimethylbenzene	0.49 "J"	ug/m3	0.283	0.899	1	TO-15		3/5/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/5/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/5/2021	CJR	1
m&p-Xylene	1.39	ug/m3	0.377	1.2	1	TO-15		3/5/2021	CJR	1
o-Xylene	0.61 "J"	ug/m3	0.218	0.695	1	TO-15		3/5/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121B  
**Sample ID** WB-SS-2  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	4.9	ug/m3	0.299	0.95	1	TO-15		3/5/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/5/2021	CJR	1
Benzene	1.79	ug/m3	0.136	0.433	1	TO-15		3/5/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/5/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/5/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/5/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/5/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/5/2021	CJR	1
Carbon Disulfide	0.59	ug/m3	0.138	0.44	1	TO-15		3/5/2021	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/5/2021	CJR	1
Chlorobenzene	20.8	ug/m3	0.251	0.798	1	TO-15		3/5/2021	CJR	1
Chloroethane	2.77	ug/m3	0.159	0.507	1	TO-15		3/5/2021	CJR	1
Chloroform	0.34 "J"	ug/m3	0.3	0.953	1	TO-15		3/5/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/5/2021	CJR	1
Cyclohexane	4.1	ug/m3	0.212	0.674	1	TO-15		3/5/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/5/2021	CJR	1
1,4-Dichlorobenzene	1.62	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorobenzene	16.1	ug/m3	0.235	0.749	1	TO-15		3/5/2021	CJR	1
Dichlorodifluoromethane	2.87	ug/m3	0.263	0.836	1	TO-15		3/5/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/5/2021	CJR	1
cis-1,2-Dichloroethene	0.75	ug/m3	0.197	0.626	1	TO-15		3/5/2021	CJR	1
trans-1,2-Dichloroethene	1.15	ug/m3	0.231	0.734	1	TO-15		3/5/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/5/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/5/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/5/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/5/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/5/2021	CJR	1
Ethanol	19.1	ug/m3	0.152	0.482	1	TO-15		3/5/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/5/2021	CJR	1
Ethylbenzene	17.1	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
4-Ethyltoluene	5.1	ug/m3	0.214	0.681	1	TO-15		3/5/2021	CJR	1
Heptane	4.7	ug/m3	0.265	0.845	1	TO-15		3/5/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/5/2021	CJR	1
Hexane	340	ug/m3	2.35	7.48	10	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/5/2021	CJR	1
Isopropyl Alcohol	3.8	ug/m3	0.109	0.347	1	TO-15		3/5/2021	CJR	1
Methyl ethyl ketone (MEK)	2.18	ug/m3	0.178	0.567	1	TO-15		3/5/2021	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/5/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/5/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/5/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121B  
**Sample ID** WB-SS-2  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/5/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/5/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/5/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		3/5/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/5/2021	CJR	1
Tetrachloroethene	5.9	ug/m3	0.278	0.884	1	TO-15		3/5/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/5/2021	CJR	1
Toluene	12.5	ug/m3	0.184	0.585	1	TO-15		3/5/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/5/2021	CJR	1
1,1,1-Trichloroethane	0.33 "J"	ug/m3	0.249	0.793	1	TO-15		3/5/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/5/2021	CJR	1
Trichloroethene (TCE)	1.77	ug/m3	0.237	0.754	1	TO-15		3/5/2021	CJR	1
Trichlorofluoromethane	1.69	ug/m3	0.337	1.07	1	TO-15		3/5/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/5/2021	CJR	1
1,2,4-Trimethylbenzene	6.6	ug/m3	0.283	0.899	1	TO-15		3/5/2021	CJR	1
1,3,5-Trimethylbenzene	3.4	ug/m3	0.232	0.739	1	TO-15		3/5/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/5/2021	CJR	1
m&p-Xylene	15.7	ug/m3	0.377	1.2	1	TO-15		3/5/2021	CJR	1
o-Xylene	8.0	ug/m3	0.218	0.695	1	TO-15		3/5/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121C  
**Sample ID** WB-SS-3  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	305	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	10
Acrolein	0.94	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	3.7	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	14.6	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	0.97	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	2.62	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	0.9 "J"	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	0.96	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	6.1	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.62	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	0.56 "J"	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	34	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	170	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	3.6	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	6.5	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	42	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	8.5	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	32	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	96	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	6.4	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121C  
**Sample ID** WB-SS-3  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	13.3	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	10.6	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	0.91	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	21.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	118	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	0.96	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.29	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	3.9	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	6.1	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	1.82	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	7.4	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	3.12	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40420

Invoice # E39121

Lab Code 5039121D  
 Sample ID WB-SS-4  
 Sample Matrix Air  
 Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	57	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.85	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	9.4	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	3.4	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.78 "J"	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	2.86	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.87	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	283	ug/m3	1.52	4.82	10	TO-15		3/9/2021	CJR	1
Ethyl Acetate	1.62	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.8	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.83	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	15.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	14.1	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.57	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121D  
**Sample ID** WB-SS-4  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	24.7	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	1.24	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.8	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	6.5	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	380	ug/m3	2.37	7.54	10	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	3.3	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	2.07	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.44 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	2.17	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.87	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121E  
**Sample ID** WB-SS-5  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.3	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.6	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	2.36	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	0.28 "J"	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	1.61 "J"	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.55 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.62	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	32	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.1	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	34	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	3.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	3.4	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
Project # 40420

Invoice # E39121

Lab Code 5039121E  
Sample ID WB-SS-5  
Sample Matrix Air  
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	127	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.4	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3.6	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	1.12	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.29	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.43 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121F  
**Sample ID** WB-SS-6  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	14.8	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.42 "J"	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	2.68	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.88 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.241 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	179	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	0.9	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	2.64	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	0.33 "J"	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	14.8	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	2.15	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.86	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121F  
**Sample ID** WB-SS-6  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	80	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	5.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	1.25	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	2.13	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.64 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.17 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.52 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121G  
**Sample ID** WB-SS-7  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	48	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.05	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	2.24	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	10.3	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.97	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.41 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.52	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	0.4 "J"	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	102	ug/m3	5.0616	16.0506	33	TO-15		3/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.65	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.92	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.62	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	1.43	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	25.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	12.9	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.88	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121G  
**Sample ID** WB-SS-7  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	4700	ug/m3	9.2574	29.4372	33	TO-15		3/10/2021	CJR	1
Tetrahydrofuran	1.15	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	7.0	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	297	ug/m3	8.291699	26.4069	33	TO-15		3/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	111	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	7.8	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	3.8	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.83 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.56	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.74	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40420

Invoice # E39121

Lab Code 5039121H  
 Sample ID WB-SS-8  
 Sample Matrix Air  
 Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.1	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.96	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	1.93	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.77	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	12.6	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.27	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	2.36	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	1.67	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	43	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121H  
**Sample ID** WB-SS-8  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	5.9	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	12.2	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	23.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3.9	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	0.86	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.97	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.54 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	0.74 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.35 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 503912II  
**Sample ID** WB-SS-9  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	39	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.62	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	5.4	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	15.6	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.59 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.82	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	45	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	1.48	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	1.04	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	27.4	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	38	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	8.6	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	13.5	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.15	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121I  
**Sample ID** WB-SS-9  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	0.213 "J"	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	9.6	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	2.59	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	11.7	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	1.41	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	2.89	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.74	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.44 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	0.46 "J"	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.21	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.65 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121J  
**Sample ID** WB-SS-10  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.6	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.32 "J"	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	1.12	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.72	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	27.7	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	0.74 "J"	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	5.7	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	6.1	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.78	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121J  
**Sample ID** WB-SS-10  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	12.8	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	9.8	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	5.4	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	0.92	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	3.7	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	7	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.49 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	0.56 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.303 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40420

Invoice # E39121

Lab Code 5039121K  
 Sample ID WB-SS-11  
 Sample Matrix Air  
 Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	41	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.48	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	0.54 "J"	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	19.8	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	9	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.38 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	5.6	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	81	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	2.13	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	67	ug/m3	5.0616	16.0506	33	TO-15		3/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	2.55	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.2	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	1.6	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	15	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	8.6	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.96	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121K  
**Sample ID** WB-SS-11  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	15.5	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.1	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3300	ug/m3	8.291699	26.4069	33	TO-15		3/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	26.9	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	2.47	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.46 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	19.2	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	11.7	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	1	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121L  
**Sample ID** WB-SS-12  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	71	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.76	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.69	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	3.4	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.76 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	0.84	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.44 "J"	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	4.7	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	1.17	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	0.277 "J"	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	83	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	1.17	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	4.5	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	3.9	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	2.41	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	12.6	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	17.4	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.07	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121L  
**Sample ID** WB-SS-12  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	3.5	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	12.1	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	12.9	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	34	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	2.2	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	27.8	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.98	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	0.39 "J"	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	0.64	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.95	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.87	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121M  
**Sample ID** WB-SS-13  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	20.5	ug/m3	0.299	0.95	1	TO-15		3/9/2021	CJR	1
Acrolein	0.41	ug/m3	0.094	0.299	1	TO-15		3/9/2021	CJR	1
Benzene	1.18	ug/m3	0.136	0.433	1	TO-15		3/9/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/9/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/9/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/9/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/9/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/9/2021	CJR	1
Carbon Disulfide	0.218 "J"	ug/m3	0.138	0.44	1	TO-15		3/9/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/9/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/9/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/9/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/9/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/9/2021	CJR	1
Cyclohexane	1.45	ug/m3	0.212	0.674	1	TO-15		3/9/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/9/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,3-Dichlorobenzene	0.36 "J"	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/9/2021	CJR	1
Dichlorodifluoromethane	1.04	ug/m3	0.263	0.836	1	TO-15		3/9/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/9/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/9/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/9/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/9/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/9/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/9/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/9/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/9/2021	CJR	1
Ethanol	43	ug/m3	0.152	0.482	1	TO-15		3/9/2021	CJR	1
Ethyl Acetate	4.6	ug/m3	0.176	0.559	1	TO-15		3/9/2021	CJR	1
Ethylbenzene	0.87	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
4-Ethyltoluene	0.49 "J"	ug/m3	0.214	0.681	1	TO-15		3/9/2021	CJR	1
Heptane	5.7	ug/m3	0.265	0.845	1	TO-15		3/9/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/9/2021	CJR	1
Hexane	6.3	ug/m3	0.235	0.748	1	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/9/2021	CJR	1
Isopropyl Alcohol	8.7	ug/m3	0.109	0.347	1	TO-15		3/9/2021	CJR	1
Methyl ethyl ketone (MEK)	6.7	ug/m3	0.178	0.567	1	TO-15		3/9/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.53 "J"	ug/m3	0.168	0.536	1	TO-15		3/9/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/9/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/9/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121M  
**Sample ID** WB-SS-13  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/9/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/9/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/9/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/9/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/9/2021	CJR	1
Tetrachloroethene	1.09	ug/m3	0.278	0.884	1	TO-15		3/9/2021	CJR	1
Tetrahydrofuran	2.86	ug/m3	0.131	0.417	1	TO-15		3/9/2021	CJR	1
Toluene	9.1	ug/m3	0.184	0.585	1	TO-15		3/9/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/9/2021	CJR	1
1,1,1-Trichloroethane	7.9	ug/m3	0.249	0.793	1	TO-15		3/9/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/9/2021	CJR	1
Trichloroethene (TCE)	2.62	ug/m3	0.237	0.754	1	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	11.2	ug/m3	0.337	1.07	1	TO-15		3/9/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/9/2021	CJR	1
1,2,4-Trimethylbenzene	5.5	ug/m3	0.283	0.899	1	TO-15		3/9/2021	CJR	1
1,3,5-Trimethylbenzene	1.67	ug/m3	0.232	0.739	1	TO-15		3/9/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/9/2021	CJR	1
m&p-Xylene	1.91	ug/m3	0.377	1.2	1	TO-15		3/9/2021	CJR	1
o-Xylene	1.3	ug/m3	0.218	0.695	1	TO-15		3/9/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121N  
**Sample ID** WB-SS-14  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.5	ug/m3	0.299	0.95	1	TO-15		3/9/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/9/2021	CJR	1
Benzene	0.86	ug/m3	0.136	0.433	1	TO-15		3/9/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/9/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/9/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/9/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/9/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/9/2021	CJR	1
Carbon Disulfide	2.18	ug/m3	0.138	0.44	1	TO-15		3/9/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/9/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/9/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/9/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/9/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/9/2021	CJR	1
Cyclohexane	3.3	ug/m3	0.212	0.674	1	TO-15		3/9/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/9/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/9/2021	CJR	1
Dichlorodifluoromethane	1.53	ug/m3	0.263	0.836	1	TO-15		3/9/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/9/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/9/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/9/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/9/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/9/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/9/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/9/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/9/2021	CJR	1
Ethanol	29.7	ug/m3	0.152	0.482	1	TO-15		3/9/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/9/2021	CJR	1
Ethylbenzene	3.9	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		3/9/2021	CJR	1
Heptane	11.8	ug/m3	0.265	0.845	1	TO-15		3/9/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/9/2021	CJR	1
Hexane	5.4	ug/m3	0.235	0.748	1	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/9/2021	CJR	1
Isopropyl Alcohol	3.6	ug/m3	0.109	0.347	1	TO-15		3/9/2021	CJR	1
Methyl ethyl ketone (MEK)	6.2	ug/m3	0.178	0.567	1	TO-15		3/9/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.06	ug/m3	0.168	0.536	1	TO-15		3/9/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/9/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/9/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40420

**Invoice #** E39121

**Lab Code** 5039121N  
**Sample ID** WB-SS-14  
**Sample Matrix** Air  
**Sample Date** 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/9/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/9/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/9/2021	CJR	1
Styrene	0.213 "J"	ug/m3	0.181	0.577	1	TO-15		3/9/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/9/2021	CJR	1
Tetrachloroethene	4.6	ug/m3	0.278	0.884	1	TO-15		3/9/2021	CJR	1
Tetrahydrofuran	5.1	ug/m3	0.131	0.417	1	TO-15		3/9/2021	CJR	1
Toluene	12	ug/m3	0.184	0.585	1	TO-15		3/9/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/9/2021	CJR	1
1,1,1-Trichloroethane	1.69	ug/m3	0.249	0.793	1	TO-15		3/9/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/9/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	18.2	ug/m3	0.337	1.07	1	TO-15		3/9/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/9/2021	CJR	1
1,2,4-Trimethylbenzene	8.7	ug/m3	0.283	0.899	1	TO-15		3/9/2021	CJR	1
1,3,5-Trimethylbenzene	3.3	ug/m3	0.232	0.739	1	TO-15		3/9/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/9/2021	CJR	1
m&p-Xylene	13.9	ug/m3	0.377	1.2	1	TO-15		3/9/2021	CJR	1
o-Xylene	7.7	ug/m3	0.218	0.695	1	TO-15		3/9/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code**      **Comment**

- 1            Laboratory QC within limits.
- 10          Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**

## Environmental Lab, Inc.

www.synergy-lab.net  
 1990 Prospect Ct. • Appleton, WI 54914  
 920-830-2455 • mrsynergy@wi.twcabc.com

### Sample Handling Request

Rush Analysis Date Required: \_\_\_\_\_  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Lab I.D. # \_\_\_\_\_  
 QUOTE # : \_\_\_\_\_  
 Project #: 40420  
 Sampler: (signature) *[Signature]*

Project (Name / Location): Community within the Corridor / Milwaukee  
 Reports To: K. Vander Heiden  
 Invoice To: Accounts Payable  
 Company: K. Singh & Associates, Inc.  
 Company: K. Singh & Associates, Inc.  
 Address: 3636 N. 124th Street  
 Address: 3636 N. 124th St  
 City State Zip: Wauwatosa, WI 53222  
 City State Zip: Wauwatosa, WI 53222  
 Phone: 262-821-1171  
 Phone: 262-821-1171  
 Email: kvanderheiden@ksinghengineering.com  
 Email: ap@ksinghengineering.com

### Analysis Requested

### Other Analysis

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/ FID		
		Date	Time																						
5039121A	WB-SS-1	3/2	10:46	N	1	A	N/A																X		
B	WB-SS-2	3/2	10:46	N	1	A	N/A																	X	
C	WB-SS-3	3/2	11:06	N	1	A	N/A																	X	
D	WB-SS-4	3/2	12:18	N	1	A	N/A																	X	
E	WB-SS-5	3/2	12:09	N	1	A	N/A																	X	
F	WB-SS-6	3/2	11:28	N	1	A	N/A																	X	
G	WB-SS-7	3/2	11:48	N	1	A	N/A																	X	
H	WB-SS-8	3/2	14:48	N	1	A	N/A																	X	
I	WB-SS-9	3/2	14:51	N	1	A	N/A																	X	
J	WB-SS-10	3/2	14:29	N	1	A	N/A																	X	
K	WB-SS-11	3/2	13:08	N	1	A	N/A																	X	
L	WB-SS-12	3/2	14:02	N	1	A	N/A																	X	

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice: \_\_\_\_\_

Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign)

*[Signature]*

Time Date

1100 3/2/21

Received By: (sign)

*[Signature]*

Time Date

Received in Laboratory By:

*[Signature]*

Time: 8:00

Date: 3/3/21

www.synergy-lab.net  
 1990 Prospect Ct. • Appleton, WI 54914  
 920-830-2455 • mrsynergy@wi.twcbc.com

### Sample Handling Request

Rush Analysis Date Required:  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Lab I.D. #  
 QUOTE # :  
 Project #: 40420  
 Sampler: (signature) *[Signature]*

Project (Name / Location): Community Within the Corridor Limited Partnership  
 Reports To: K. Vander Heiden  
 Invoice To: Accounts Payable  
 Company K. Singh & Associates, Inc.  
 Company K. Singh & Associates, Inc.  
 Address 3636 N. 124th St  
 Address 3636 N. 124th St  
 City State Zip Wauwatosa, WI 53222  
 City State Zip Wauwatosa, WI 53222  
 Phone 262-821-1171  
 Phone 262-821-1171  
 Email kvanderheiden@ksthghengineering.com  
 Email sp@ksthghengineering.com

Analysis Requested												Other Analysis			
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-PCRA METALS	PID/ FID
														X	
														X	

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
		Date	Time				
5039121 M	WB-SS-13	3/2	1335	N	1	A	N/A
N	WB-SS-14	3/2	1311	N	1	A	N/A

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.  
 Method of Shipment: CS  
 Temp. of Temp. Blank: °C On Ice:  
 Cooler seal intact upon receipt:  Yes \_\_\_ No

Relinquished By: (sign) *[Signature]* Time 11:00 Date 3/2/21  
 Received in Laboratory By: *[Signature]*

Received By: (sign) \_\_\_\_\_ Time 8:00 Date 3/3/21

# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

KYLE VANDER HEIDEN  
K SINGH & ASSOCIATES  
3636 N. 124TH STREET  
MILWAUKEE, WI 53222

Report Date 14-Apr-21

Project Name COMMUNITY WITHIN THE CORRIDOR  
Project # 40443

Invoice # E39244

Lab Code 5039244A  
Sample ID WB-SS-15  
Sample Matrix Air  
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	26.4	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	0.83	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	6.0	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	207	ug/m3	1.38	4.4	10	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	0.94 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.46 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	25.2	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	0.71 "J"	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.88	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
Project # 40443

Invoice # E39244

Lab Code 5039244A  
Sample ID WB-SS-15  
Sample Matrix Air  
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	8.5	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	8.3	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	0.69	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	27.3	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	34	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	1.02	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	4.1	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	12.5	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.64	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.38 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	2.85	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	2.18	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	31.5	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	0.76 "J"	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	2.14	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.24	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	2.16	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	0.78	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	9.5	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	4.0	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244B  
**Sample ID** WB-SS-16  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	288	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	10
Acrolein	2.86	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	24.7	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	10.7	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	16.5	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	34	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	2.28	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	0.72 "J"	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	29	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.83	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	0.36 "J"	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	0.32 "J"	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	9.5	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	15.3	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	25.2	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.7	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	115	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	140	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	22.6	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	77	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.7	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244B  
**Sample ID** WB-SS-16  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	62	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	3.8	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	93	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	78	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	1.18	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	5.1	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	8.5	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	3.7	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	38	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	17.2	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
Project # 40443

Invoice # E39244

Lab Code 5039244C  
Sample ID WB-SS-17  
Sample Matrix Air  
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	31.4	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	2.25	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	14.1	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	3.6	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	3.9	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	9.4	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	5.8	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	24.1	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	1.32	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	39	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	38	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	6.5	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	10.2	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	20.9	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	5.2	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244C  
**Sample ID** WB-SS-17  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.255 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	4.4	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	2.53	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	72	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	1.58	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	3.6	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	1.03	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	18.5	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	8.1	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40443

Invoice # E39244

Lab Code 5039244D  
 Sample ID WB-SS-18  
 Sample Matrix Air  
 Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	330	ug/m3	2.99	9.5	10	TO-15		4/7/2021	CJR	1
Acrolein	1.38	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	30.7	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	5.4	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	9.8	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	0.88 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.32 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	17.1	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.78	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	23.2	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	37	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.35	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	64	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	62	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	19.9	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	49	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	129	ug/m3	1.78	5.67	10	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	34	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244D  
**Sample ID** WB-SS-18  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.85	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	126	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	4.7	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	111	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	17	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	3.11	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	2.25	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	7.7	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	2.45	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	35	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	14.8	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244E  
**Sample ID** WB-SS-19  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 0.299	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	0.83	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	34	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	12.5	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	18.4	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	7.8	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	1.15	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	0.37 "J"	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	0.34 "J"	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	25	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.83	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	2.12	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	4.6	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	38	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	23.9	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	1.82	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	71	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	78	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	97	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	291	ug/m3	3.56	11.34	20	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	26.9	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244E  
**Sample ID** WB-SS-19  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	2.93	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	15400	ug/m3	55.6	176.8	200	TO-15		4/8/2021	CJR	1
Tetrahydrofuran	3.9	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	201	ug/m3	3.68	11.7	20	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	460	ug/m3	4.98	15.86	20	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	23.7	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	3.4	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	2.15	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	5.2	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	2.16	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	0.56	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	36	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	15.9	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40443

Invoice # E39244

Lab Code 5039244F  
 Sample ID WB-SS-20  
 Sample Matrix Air  
 Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	60	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	1.51	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	27	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	4.4	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	12.8	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	0.94 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.32 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	27.1	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.88	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	6.4	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	29	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.6	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	75	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	80	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	8.5	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	31	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.07	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244F  
**Sample ID** WB-SS-20  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.89	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	11.1	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	4.6	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	87	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	154	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	3.05	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	2.7	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	5.1	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	9.2	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	34	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	14.6	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244G  
**Sample ID** WB-SS-21  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	211	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	10
Acrolein	0.73	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	13.9	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	7.5	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	8.4	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	0.54 "J"	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	14.7	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	20.8	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	10	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.23	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	43	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	52	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	15.8	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	30.3	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	103	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	11.3	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244G  
**Sample ID** WB-SS-21  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.60	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	0.75 "J"	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	3.6	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	41	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	36	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	1.23	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	1.91	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.8	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.47	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	15.7	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	6.1	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244H  
**Sample ID** WB-SS-22  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 0.299	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	4.1	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	26	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	1.03 "J"	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	9.9	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	2.03	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	13.8	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	21.7	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	4.6	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.03	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	19.6	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	37	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.8	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	43	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	8100	ug/m3	17.8	56.7	100	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.6	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244H  
**Sample ID** WB-SS-22  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	1.04	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	770	ug/m3	7.9	25.1	100	TO-15		4/7/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	5.3	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	14.3	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	14.4	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	650	ug/m3	24.9	79.3	100	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	8.0	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	4.7	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.7	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.37	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	6.2	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	2.82	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244I  
**Sample ID** WB-SS-23  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	20.2	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	0.46	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	9.0	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	55	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	31	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	1.09	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	128	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.42	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	87	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	99	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.3	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	1.6	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	23.7	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	25.5	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244I  
**Sample ID** WB-SS-23  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	14.1	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	5.7	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	73	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	22.4	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	13	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	21.4	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	5.2	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	2.16	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	350	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	35	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244J  
**Sample ID** WB-SS-24  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	81	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	0.44	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	2.68	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	272	ug/m3	1.38	4.4	10	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	4.8	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	4.1	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	1.62	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	2.77	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	8.9	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	15.2	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.07	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	< 0.109	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	38	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.91	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244J  
**Sample ID** WB-SS-24  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	57	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.51 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	20.4	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	6.0	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	6.0	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	2.88	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	0.37 "J"	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	14.8	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.2	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.32	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	4.3	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	2.3	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR  
 Project # 40443

Invoice # E39244

Lab Code 5039244K  
 Sample ID WB-SS-25  
 Sample Matrix Air  
 Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	900	ug/m3	2.99	9.5	10	TO-15		4/7/2021	CJR	1
Acrolein	0.71	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	5.2	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	2.48	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	39	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	19.7	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	0.238 "J"	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	53	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	5.5	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	0.93	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	30.3	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	42	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	55	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	79	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	252	ug/m3	1.78	5.67	10	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	63	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

**Project Name** COMMUNITY WITHIN THE CORRIDOR  
**Project #** 40443

**Invoice #** E39244

**Lab Code** 5039244K  
**Sample ID** WB-SS-25  
**Sample Matrix** Air  
**Sample Date** 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	161	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	8.0	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	14.4	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	1110	ug/m3	2.49	7.93	10	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	3.5	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	18.3	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.8	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.23	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	10.7	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	3.8	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

**Code**      **Comment**

- 1              Laboratory QC within limits.
- 10             Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**

## Environmental Lab, Inc.

www.synergy-lab.net  
 1990 Prospect Ct. • Appleton, WI 54914  
 920-830-2455 • mrsynergy@wi.twcbc.com

### Sample Handling Request

Rush Analysis Date Required: \_\_\_\_\_  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Lab I.D. # \_\_\_\_\_  
 QUOTE # : \_\_\_\_\_  
 Project #: 40443  
 Sampler: (signature) [Signature]

Project (Name / Location): Community Within the Corridor Limited Partnership  
 Reports To: K. Vander Heiden Invoice To: Accounts Payable  
 Company: K. Singh & Associates, Inc. Company: K. Singh & Associates, Inc.  
 Address: 3636 N. 124th St Address: 3636 N. 124th St  
 City State Zip: Wauwatosa, WI 53222 City State Zip: Wauwatosa, WI 53222  
 Phone: (262) 821-1171 Phone: (262) 821-1171  
 Email: kvanderheiden@ksinghengineering.com Email: ap@ksinghengineering.com

**Analysis Requested** **Other Analysis**

Lab I.D.	Sample I.D.	Collection		Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	B-PCRA METALS	PID/ FID	
		Date	Time																					
<u>503924A</u>	<u>WB-SS-15</u>	<u>4/1</u>	<u>14:44</u>		<u>1</u>	<u>A</u>																		
<u>B</u>	<u>WB-SS-16</u>	<u>4/1</u>	<u>14:10</u>		<u>1</u>	<u>A</u>																		
<u>C</u>	<u>WB-SS-17</u>	<u>4/1</u>	<u>13:51</u>		<u>1</u>	<u>A</u>																		
<u>D</u>	<u>WB-SS-18</u>	<u>4/1</u>	<u>13:30</u>		<u>1</u>	<u>A</u>																		
<u>E</u>	<u>WB-SS-19</u>	<u>4/1</u>	<u>13:06</u>		<u>1</u>	<u>A</u>																		
<u>F</u>	<u>WB-SS-20</u>	<u>4/1</u>	<u>12:42</u>		<u>1</u>	<u>A</u>																		
<u>G</u>	<u>WB-SS-21</u>	<u>4/1</u>	<u>12:18</u>		<u>1</u>	<u>A</u>																		
<u>H</u>	<u>WB-SS-22</u>	<u>4/1</u>	<u>11:26</u>		<u>1</u>	<u>A</u>																		
<u>I</u>	<u>WB-SS-23</u>	<u>4/1</u>	<u>10:46</u>		<u>1</u>	<u>A</u>																		
<u>J</u>	<u>WB-SS-24</u>	<u>4/1</u>	<u>10:29</u>		<u>1</u>	<u>A</u>																		
<u>K</u>	<u>WB-SS-25</u>	<u>4/1</u>	<u>11:05</u>		<u>1</u>	<u>A</u>																		

Comments/Special Instructions (\*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.  
 Method of Shipment: CS  
 Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice: \_\_\_\_\_  
 Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) [Signature] Time 0900 Date 4/5/21  
 Received By: (sign) \_\_\_\_\_ Time \_\_\_\_\_ Date \_\_\_\_\_  
 Received in Laboratory By: [Signature] Time: 8:00 Date: 4/6/21

## APPENDIX B

Eurofins TestAmerica Laboratories, Inc. Soil Laboratory Reports

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-180587-1

Client Project/Site: Community Within the Corridor - 40392

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke



Authorized for release by:  
4/27/2020 2:33:34 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandie.fredrick@testamericainc.com](mailto:sandie.fredrick@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Job ID: 500-180587-1

### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

#### Job Narrative 500-180587-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 4/14/2020 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9° C.

#### GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. 40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2), 40392-B-3 (4'-6') (500-180587-3), 40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

Method 8260B: The laboratory control sample (LCS) for 538558 recovered outside control limits for Bromomethane. This is a prepped 5035 LCS. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2), 40392-B-3 (4'-6') (500-180587-3), 40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

Method 8260B: The laboratory control sample (LCS) for 539012 recovered outside control limits for Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. 40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2) and 40392-B-3 (4'-6') (500-180587-3)

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with 539158: Bromomethane and 1,2-Dibromom-3-Chloropropane. These were marginal exceedances. Qualified results have been reported. 40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### GC Semi VOA

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: 40392-B-8 (9'-11') (500-180587-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

Method 6010B: The following sample was diluted due to the abundance of non-target analytes: 40392-B-9 (4'-6') (500-180587-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Client Sample ID: 40392-B-1 (5.5'-7.5')

## Lab Sample ID: 500-180587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.0		0.97	0.33	mg/Kg	1	☼	6010B	Total/NA
Barium	42	V	0.97	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19	B	0.19	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.97	0.48	mg/Kg	1	☼	6010B	Total/NA
Lead	9.3		0.49	0.22	mg/Kg	1	☼	6010B	Total/NA
Silver	0.27	J	0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.019		0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-2 (4'-6')

## Lab Sample ID: 500-180587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.7		1.1	0.37	mg/Kg	1	☼	6010B	Total/NA
Barium	50		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.40	B	0.22	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	18		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.24	J	0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.018		0.017	0.0055	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-3 (4'-6')

## Lab Sample ID: 500-180587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	29		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.28	B	0.20	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	13		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Silver	0.23	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.015	J	0.018	0.0059	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-4 (4'-6')

## Lab Sample ID: 500-180587-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0090	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0061	J	0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0089	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0092	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.5		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	32		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23	B	0.21	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	8.2		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Silver	0.19	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.012	J	0.017	0.0055	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-5 (3'-5')

## Lab Sample ID: 500-180587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.2		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	39		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25	B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		1.0	0.50	mg/Kg	1	☼	6010B	Total/NA
Lead	9.7		0.51	0.23	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Detection Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Client Sample ID: 40392-B-5 (3'-5') (Continued)

## Lab Sample ID: 500-180587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.24	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.013	J	0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-6 (3'-5')

## Lab Sample ID: 500-180587-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		0.99	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.99	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26	B	0.20	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.99	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	9.0		0.49	0.23	mg/Kg	1	☼	6010B	Total/NA
Silver	0.23	J	0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.011	J	0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

## Client Sample ID: 40392-B-7 (3'-5')

## Lab Sample ID: 500-180587-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.11		0.10	0.037	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.077		0.026	0.015	mg/Kg	50	☼	8260B	Total/NA
Ethylbenzene	0.051		0.026	0.019	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.15		0.10	0.034	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.28		0.026	0.015	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	0.37		0.051	0.023	mg/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	0.066	J	0.079	0.0095	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.074	J	0.079	0.0072	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.10		0.039	0.0070	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.023	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.19		0.039	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.91		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1.1		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1.5		0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.40		0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.49		0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	1.1		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.13		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	2.2		0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.083		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.37		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.064		0.039	0.0060	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.4		0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	2.1		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.8		1.1	0.38	mg/Kg	1	☼	6010B	Total/NA
Barium	69		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.41	B	0.22	0.040	mg/Kg	1	☼	6010B	Total/NA
Chromium	17		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	140		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.28	J	0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.066		0.019	0.0064	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471A	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471A	Preparation, Mercury	SW846	TAL CHI

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-180587-1	40392-B-1 (5.5'-7.5')	Solid	04/10/20 11:10	04/14/20 09:40	
500-180587-2	40392-B-2 (4'-6')	Solid	04/10/20 10:40	04/14/20 09:40	
500-180587-3	40392-B-3 (4'-6')	Solid	04/10/20 09:50	04/14/20 09:40	
500-180587-4	40392-B-4 (4'-6')	Solid	04/10/20 14:40	04/14/20 09:40	
500-180587-5	40392-B-5 (3'-5')	Solid	04/10/20 15:05	04/14/20 09:40	
500-180587-6	40392-B-6 (3'-5')	Solid	04/10/20 15:25	04/14/20 09:40	
500-180587-7	40392-B-7 (3'-5')	Solid	04/10/20 13:10	04/14/20 09:40	
500-180587-8	40392-B-8 (9'-11')	Solid	04/10/20 14:20	04/14/20 09:40	
500-180587-9	40392-B-9 (4'-6')	Solid	04/10/20 16:00	04/14/20 09:40	
500-180587-10	40392-B-12 (3.5'-5.5')	Solid	04/10/20 16:50	04/14/20 09:40	



# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-1 (5.5'-7.5')**

**Lab Sample ID: 500-180587-1**

**Date Collected: 04/10/20 11:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.040		0.087	0.040	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,1-Trichloroethane	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,2,2-Tetrachloroethane	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,2-Trichloroethane	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloroethane	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloroethene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloropropene	<0.026		0.087	0.026	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,3-Trichlorobenzene	<0.040		0.087	0.040	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,3-Trichloropropane	<0.036		0.17	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,4-Trichlorobenzene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,4-Trimethylbenzene	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dibromo-3-Chloropropane	<0.17		0.44	0.17	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dibromoethane	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichlorobenzene	<0.029		0.087	0.029	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichloroethane	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichloropropane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3,5-Trimethylbenzene	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3-Dichlorobenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3-Dichloropropane	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,4-Dichlorobenzene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
2,2-Dichloropropane	<0.039		0.087	0.039	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
2-Chlorotoluene	<0.027		0.087	0.027	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
4-Chlorotoluene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Benzene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromobenzene	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromochloromethane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromodichloromethane	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromoform	<0.042		0.087	0.042	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromomethane	<0.069 *		0.26	0.069	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Carbon tetrachloride	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chlorobenzene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloroethane	<0.044		0.087	0.044	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloroform	<0.032		0.17	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloromethane	<0.028		0.087	0.028	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
cis-1,2-Dichloroethene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
cis-1,3-Dichloropropene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dibromochloromethane	<0.042		0.087	0.042	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dibromomethane	<0.023		0.087	0.023	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dichlorodifluoromethane	<0.059		0.26	0.059	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Ethylbenzene	<0.016		0.022	0.016	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Hexachlorobutadiene	<0.039		0.087	0.039	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Isopropyl ether	<0.024		0.087	0.024	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Isopropylbenzene	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Methyl tert-butyl ether	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Methylene Chloride	<0.14		0.44	0.14	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Naphthalene	<0.029		0.087	0.029	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
n-Butylbenzene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
N-Propylbenzene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
p-Isopropyltoluene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-1 (5.5'-7.5')**

**Lab Sample ID: 500-180587-1**

**Date Collected: 04/10/20 11:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.1**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Styrene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
tert-Butylbenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Tetrachloroethene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Toluene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
trans-1,2-Dichloroethene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
trans-1,3-Dichloropropene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Trichloroethene	<0.014		0.044	0.014	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Trichlorofluoromethane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Vinyl chloride	<0.023		0.087	0.023	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Xylenes, Total	<0.019		0.044	0.019	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126	04/10/20 11:10	04/21/20 16:53	50
4-Bromofluorobenzene (Surr)	91		72 - 124	04/10/20 11:10	04/21/20 16:53	50
Dibromofluoromethane (Surr)	102		75 - 120	04/10/20 11:10	04/21/20 16:53	50
Toluene-d8 (Surr)	102		75 - 120	04/10/20 11:10	04/21/20 16:53	50

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.076	0.0091	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Pyrene	<0.0074		0.037	0.0074	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		43 - 145	04/22/20 16:18	04/23/20 18:44	1
Nitrobenzene-d5 (Surr)	71		37 - 147	04/22/20 16:18	04/23/20 18:44	1
Terphenyl-d14 (Surr)	127		42 - 157	04/22/20 16:18	04/23/20 18:44	1

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0		0.97	0.33	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Barium	42	V	0.97	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Cadmium	0.19	B	0.19	0.035	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Chromium	15		0.97	0.48	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Client Sample ID: 40392-B-1 (5.5'-7.5')

## Lab Sample ID: 500-180587-1

Date Collected: 04/10/20 11:10

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 88.1

### Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.3		0.49	0.22	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Selenium	<0.57		0.97	0.57	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Silver	0.27	J	0.49	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1

### Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:31	1

## Client Sample ID: 40392-B-2 (4'-6')

## Lab Sample ID: 500-180587-2

Date Collected: 04/10/20 10:40

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 87.6

### Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.036		0.079	0.036	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,1-Trichloroethane	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,2,2-Tetrachloroethane	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,2-Trichloroethane	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloroethane	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloroethene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloropropene	<0.024		0.079	0.024	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,3-Trichlorobenzene	<0.036		0.079	0.036	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,3-Trichloropropane	<0.033		0.16	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,4-Trichlorobenzene	<0.027		0.079	0.027	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,4-Trimethylbenzene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dibromo-3-Chloropropane	<0.16		0.39	0.16	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dibromoethane	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichlorobenzene	<0.026		0.079	0.026	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichloroethane	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichloropropane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3,5-Trimethylbenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3-Dichlorobenzene	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3-Dichloropropane	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,4-Dichlorobenzene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
2,2-Dichloropropane	<0.035		0.079	0.035	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
2-Chlorotoluene	<0.025		0.079	0.025	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
4-Chlorotoluene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Benzene	<0.012		0.020	0.012	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromobenzene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromochloromethane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromodichloromethane	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromoform	<0.038		0.079	0.038	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromomethane	<0.063	*	0.24	0.063	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Carbon tetrachloride	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chlorobenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloroethane	<0.040		0.079	0.040	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloroform	<0.029		0.16	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloromethane	<0.025		0.079	0.025	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
cis-1,2-Dichloroethene	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
cis-1,3-Dichloropropene	<0.033		0.079	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50

Eurolins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-2 (4'-6')**

**Lab Sample ID: 500-180587-2**

**Date Collected: 04/10/20 10:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	<0.039		0.079	0.039	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Dibromomethane	<0.021		0.079	0.021	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Dichlorodifluoromethane	<0.053		0.24	0.053	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Ethylbenzene	<0.014		0.020	0.014	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Hexachlorobutadiene	<0.035		0.079	0.035	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Isopropyl ether	<0.022		0.079	0.022	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Isopropylbenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Methyl tert-butyl ether	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Methylene Chloride	<0.13		0.39	0.13	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Naphthalene	<0.026		0.079	0.026	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
n-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
N-Propylbenzene	<0.033		0.079	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
p-Isopropyltoluene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
sec-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Styrene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
tert-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Tetrachloroethene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Toluene	<0.012		0.020	0.012	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
trans-1,2-Dichloroethene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
trans-1,3-Dichloropropene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Trichloroethene	<0.013		0.039	0.013	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Trichlorofluoromethane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Vinyl chloride	<0.021		0.079	0.021	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Xylenes, Total	<0.017		0.039	0.017	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126	04/10/20 10:40	04/21/20 17:17	50
4-Bromofluorobenzene (Surr)	90		72 - 124	04/10/20 10:40	04/21/20 17:17	50
Dibromofluoromethane (Surr)	102		75 - 120	04/10/20 10:40	04/21/20 17:17	50
Toluene-d8 (Surr)	102		75 - 120	04/10/20 10:40	04/21/20 17:17	50

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0092		0.076	0.0092	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Acenaphthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Acenaphthylene	<0.0050		0.037	0.0050	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[a]anthracene	<0.0051		0.037	0.0051	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[a]pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Dibenz(a,h)anthracene	<0.0073		0.037	0.0073	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Fluoranthene	<0.0070		0.037	0.0070	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-2 (4'-6')**

**Lab Sample ID: 500-180587-2**

Date Collected: 04/10/20 10:40

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 87.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.0075		0.037	0.0075	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	92		43 - 145				04/22/20 16:18	04/23/20 19:13	1
Nitrobenzene-d5 (Surr)	82		37 - 147				04/22/20 16:18	04/23/20 19:13	1
Terphenyl-d14 (Surr)	133		42 - 157				04/22/20 16:18	04/23/20 19:13	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		1.1	0.37	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Barium	50		1.1	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Cadmium	0.40	B	0.22	0.039	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Chromium	18		1.1	0.54	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Lead	22		0.55	0.25	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Selenium	<0.64		1.1	0.64	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Silver	0.24	J	0.55	0.14	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.017	0.0055	mg/Kg	☼	04/20/20 13:55	04/21/20 08:33	1

**Client Sample ID: 40392-B-3 (4'-6')**

**Lab Sample ID: 500-180587-3**

Date Collected: 04/10/20 09:50

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 88.3

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.039		0.084	0.039	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,1-Trichloroethane	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,2,2-Tetrachloroethane	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,2-Trichloroethane	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloroethane	<0.034		0.084	0.034	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloroethene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloropropene	<0.025		0.084	0.025	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,3-Trichlorobenzene	<0.038		0.084	0.038	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,3-Trichloropropane	<0.035		0.17	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,4-Trichlorobenzene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,4-Trimethylbenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dibromo-3-Chloropropane	<0.17		0.42	0.17	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dibromoethane	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichlorobenzene	<0.028		0.084	0.028	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichloroethane	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichloropropane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3,5-Trimethylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3-Dichlorobenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3-Dichloropropane	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,4-Dichlorobenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
2,2-Dichloropropane	<0.037		0.084	0.037	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
2-Chlorotoluene	<0.026		0.084	0.026	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
4-Chlorotoluene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Benzene	<0.012		0.021	0.012	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-3 (4'-6')**

**Lab Sample ID: 500-180587-3**

**Date Collected: 04/10/20 09:50**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromochloromethane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromodichloromethane	<0.031		0.084	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromoform	<0.040		0.084	0.040	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromomethane	<0.067	*	0.25	0.067	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Carbon tetrachloride	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chlorobenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloroethane	<0.042		0.084	0.042	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloroform	<0.031		0.17	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloromethane	<0.027		0.084	0.027	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
cis-1,2-Dichloroethene	<0.034		0.084	0.034	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
cis-1,3-Dichloropropene	<0.035		0.084	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dibromochloromethane	<0.041		0.084	0.041	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dibromomethane	<0.023		0.084	0.023	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dichlorodifluoromethane	<0.056		0.25	0.056	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Ethylbenzene	<0.015		0.021	0.015	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Hexachlorobutadiene	<0.037		0.084	0.037	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Isopropyl ether	<0.023		0.084	0.023	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Isopropylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Methyl tert-butyl ether	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Methylene Chloride	<0.14		0.42	0.14	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Naphthalene	<0.028		0.084	0.028	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
n-Butylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
N-Propylbenzene	<0.035		0.084	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
p-Isopropyltoluene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
sec-Butylbenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Styrene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
tert-Butylbenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Tetrachloroethene	<0.031		0.084	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Toluene	<0.012		0.021	0.012	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
trans-1,2-Dichloroethene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
trans-1,3-Dichloropropene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Trichloroethene	<0.014		0.042	0.014	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Trichlorofluoromethane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Vinyl chloride	<0.022		0.084	0.022	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Xylenes, Total	<0.018		0.042	0.018	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126	04/10/20 09:50	04/21/20 17:41	50
4-Bromofluorobenzene (Surr)	90		72 - 124	04/10/20 09:50	04/21/20 17:41	50
Dibromofluoromethane (Surr)	101		75 - 120	04/10/20 09:50	04/21/20 17:41	50
Toluene-d8 (Surr)	103		75 - 120	04/10/20 09:50	04/21/20 17:41	50

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0092		0.076	0.0092	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Acenaphthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Acenaphthylene	<0.0050		0.037	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-3 (4'-6')**

**Lab Sample ID: 500-180587-3**

**Date Collected: 04/10/20 09:50**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.3**

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.0051		0.037	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[a]pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Dibenz(a,h)anthracene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Fluoranthene	<0.0070		0.037	0.0070	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Pyrene	<0.0075		0.037	0.0075	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		43 - 145				04/24/20 07:35	04/24/20 22:12	1
Nitrobenzene-d5 (Surr)	73		37 - 147				04/24/20 07:35	04/24/20 22:12	1
Terphenyl-d14 (Surr)	123		42 - 157				04/24/20 07:35	04/24/20 22:12	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Barium	29		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Cadmium	0.28	B	0.20	0.037	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Chromium	13		1.0	0.51	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Lead	12		0.51	0.24	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Silver	0.23	J	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0059	mg/Kg	☼	04/20/20 13:55	04/21/20 08:35	1

**Client Sample ID: 40392-B-4 (4'-6')**

**Lab Sample ID: 500-180587-4**

**Date Collected: 04/10/20 14:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.043		0.092	0.043	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,1-Trichloroethane	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,2,2-Tetrachloroethane	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,2-Trichloroethane	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloroethane	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloroethene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloropropene	<0.027		0.092	0.027	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,3-Trichlorobenzene	<0.042		0.092	0.042	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,3-Trichloropropane	<0.038		0.18	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,4-Trichlorobenzene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,4-Trimethylbenzene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dibromo-3-Chloropropane	<0.18	*	0.46	0.18	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-4 (4'-6')**

**Lab Sample ID: 500-180587-4**

**Date Collected: 04/10/20 14:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichlorobenzene	<0.031		0.092	0.031	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichloroethane	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichloropropane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3,5-Trimethylbenzene	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3-Dichlorobenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3-Dichloropropane	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,4-Dichlorobenzene	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
2,2-Dichloropropane	<0.041		0.092	0.041	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
2-Chlorotoluene	<0.029		0.092	0.029	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
4-Chlorotoluene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Benzene	<0.013		0.023	0.013	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromobenzene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromochloromethane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromodichloromethane	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromoform	<0.045		0.092	0.045	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromomethane	<0.073 *		0.28	0.073	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Carbon tetrachloride	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chlorobenzene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloroethane	<0.046		0.092	0.046	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloroform	<0.034		0.18	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloromethane	<0.029		0.092	0.029	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
cis-1,2-Dichloroethene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
cis-1,3-Dichloropropene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dibromochloromethane	<0.045		0.092	0.045	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dibromomethane	<0.025		0.092	0.025	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dichlorodifluoromethane	<0.062		0.28	0.062	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Ethylbenzene	<0.017		0.023	0.017	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Hexachlorobutadiene	<0.041		0.092	0.041	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Isopropyl ether	<0.025		0.092	0.025	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Isopropylbenzene	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Methyl tert-butyl ether	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Methylene Chloride	<0.15		0.46	0.15	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Naphthalene	<0.031		0.092	0.031	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
n-Butylbenzene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
N-Propylbenzene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
p-Isopropyltoluene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
sec-Butylbenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Styrene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
tert-Butylbenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Tetrachloroethene	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Toluene	<0.014		0.023	0.014	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
trans-1,2-Dichloroethene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
trans-1,3-Dichloropropene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Trichloroethene	<0.015		0.046	0.015	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Trichlorofluoromethane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Vinyl chloride	<0.024		0.092	0.024	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Xylenes, Total	<0.020		0.046	0.020	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-4 (4'-6')**

**Lab Sample ID: 500-180587-4**

**Date Collected: 04/10/20 14:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.9**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		75 - 126	04/10/20 14:40	04/22/20 01:10	50
4-Bromofluorobenzene (Surr)	101		72 - 124	04/10/20 14:40	04/22/20 01:10	50
Dibromofluoromethane (Surr)	99		75 - 120	04/10/20 14:40	04/22/20 01:10	50
Toluene-d8 (Surr)	92		75 - 120	04/10/20 14:40	04/22/20 01:10	50

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.076	0.0091	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
<b>Benzo[b]fluoranthene</b>	<b>0.0090</b>	<b>J</b>	0.037	0.0081	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
<b>Naphthalene</b>	<b>0.0061</b>	<b>J</b>	0.037	0.0058	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
<b>Phenanthrene</b>	<b>0.0089</b>	<b>J</b>	0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
<b>Pyrene</b>	<b>0.0092</b>	<b>J</b>	0.037	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		43 - 145	04/24/20 07:35	04/24/20 22:42	1
Nitrobenzene-d5 (Surr)	77		37 - 147	04/24/20 07:35	04/24/20 22:42	1
Terphenyl-d14 (Surr)	117		42 - 157	04/24/20 07:35	04/24/20 22:42	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>3.5</b>		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
<b>Barium</b>	<b>32</b>		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
<b>Cadmium</b>	<b>0.23</b>	<b>B</b>	0.21	0.037	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
<b>Chromium</b>	<b>12</b>		1.0	0.51	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
<b>Lead</b>	<b>8.2</b>		0.51	0.24	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
<b>Silver</b>	<b>0.19</b>	<b>J</b>	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.012</b>	<b>J</b>	0.017	0.0055	mg/Kg	☼	04/20/20 13:55	04/21/20 08:37	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

**Date Collected: 04/10/20 15:05**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 86.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.046		0.10	0.046	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,1-Trichloroethane	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,2,2-Tetrachloroethane	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,2-Trichloroethane	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloroethane	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloroethene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloropropene	<0.030		0.10	0.030	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,3-Trichlorobenzene	<0.046		0.10	0.046	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,3-Trichloropropane	<0.041		0.20	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,4-Trichlorobenzene	<0.034		0.10	0.034	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,4-Trimethylbenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dibromo-3-Chloropropane	<0.20	*	0.50	0.20	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dibromoethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichlorobenzene	<0.033		0.10	0.033	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichloroethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichloropropane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3,5-Trimethylbenzene	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3-Dichlorobenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3-Dichloropropane	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,4-Dichlorobenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
2,2-Dichloropropane	<0.044		0.10	0.044	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
2-Chlorotoluene	<0.031		0.10	0.031	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
4-Chlorotoluene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Benzene	<0.015		0.025	0.015	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromobenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromochloromethane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromodichloromethane	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromoform	<0.048		0.10	0.048	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromomethane	<0.080	*	0.30	0.080	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Carbon tetrachloride	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chlorobenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloroethane	<0.050		0.10	0.050	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloroform	<0.037		0.20	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloromethane	<0.032		0.10	0.032	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
cis-1,2-Dichloroethene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
cis-1,3-Dichloropropane	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dibromochloromethane	<0.049		0.10	0.049	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dibromomethane	<0.027		0.10	0.027	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dichlorodifluoromethane	<0.067		0.30	0.067	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Ethylbenzene	<0.018		0.025	0.018	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Hexachlorobutadiene	<0.045		0.10	0.045	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Isopropyl ether	<0.028		0.10	0.028	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Isopropylbenzene	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Methyl tert-butyl ether	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Methylene Chloride	<0.16		0.50	0.16	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Naphthalene	<0.033		0.10	0.033	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
n-Butylbenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
N-Propylbenzene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
p-Isopropyltoluene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

**Date Collected: 04/10/20 15:05**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 86.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Styrene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
tert-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Tetrachloroethene	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Toluene	<0.015		0.025	0.015	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
trans-1,2-Dichloroethene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
trans-1,3-Dichloropropene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Trichloroethene	<0.016		0.050	0.016	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Trichlorofluoromethane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Vinyl chloride	<0.026		0.10	0.026	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Xylenes, Total	<0.022		0.050	0.022	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		75 - 126	04/10/20 15:05	04/22/20 01:35	50
4-Bromofluorobenzene (Surr)	101		72 - 124	04/10/20 15:05	04/22/20 01:35	50
Dibromofluoromethane (Surr)	97		75 - 120	04/10/20 15:05	04/22/20 01:35	50
Toluene-d8 (Surr)	92		75 - 120	04/10/20 15:05	04/22/20 01:35	50

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0093		0.077	0.0093	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
2-Methylnaphthalene	<0.0070		0.077	0.0070	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Acenaphthene	<0.0068		0.038	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Acenaphthylene	<0.0050		0.038	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Anthracene	<0.0064		0.038	0.0064	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[a]anthracene	<0.0051		0.038	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[a]pyrene	<0.0074		0.038	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[b]fluoranthene	<0.0082		0.038	0.0082	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[g,h,i]perylene	<0.012		0.038	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[k]fluoranthene	<0.011		0.038	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Chrysene	<0.010		0.038	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Dibenz(a,h)anthracene	<0.0074		0.038	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Fluoranthene	<0.0071		0.038	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Fluorene	<0.0053		0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Indeno[1,2,3-cd]pyrene	<0.0099		0.038	0.0099	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Naphthalene	<0.0059		0.038	0.0059	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Phenanthrene	<0.0053		0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Pyrene	<0.0076		0.038	0.0076	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		43 - 145	04/24/20 07:35	04/24/20 23:12	1
Nitrobenzene-d5 (Surr)	82		37 - 147	04/24/20 07:35	04/24/20 23:12	1
Terphenyl-d14 (Surr)	123		42 - 157	04/24/20 07:35	04/24/20 23:12	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

Date Collected: 04/10/20 15:05

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 86.9

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		49 - 129				04/24/20 08:14	04/24/20 18:39	1
DCB Decachlorobiphenyl	113		37 - 121				04/24/20 08:14	04/24/20 18:39	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.2		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Barium	39		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Cadmium	0.25	B	0.20	0.036	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Chromium	15		1.0	0.50	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Lead	9.7		0.51	0.23	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Selenium	<0.59		1.0	0.59	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Silver	0.24	J	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:39	1

**Client Sample ID: 40392-B-6 (3'-5')**

**Lab Sample ID: 500-180587-6**

Date Collected: 04/10/20 15:25

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 88.6

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.059		0.13	0.059	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,1-Trichloroethane	<0.048		0.13	0.048	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,2,2-Tetrachloroethane	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,2-Trichloroethane	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloroethane	<0.052		0.13	0.052	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloroethene	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloropropene	<0.038		0.13	0.038	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,3-Trichlorobenzene	<0.058		0.13	0.058	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,3-Trichloropropane	<0.053		0.25	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,4-Trichlorobenzene	<0.044		0.13	0.044	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,4-Trimethylbenzene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dibromo-3-Chloropropane	<0.25	*	0.64	0.25	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dibromoethane	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichlorobenzene	<0.043		0.13	0.043	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichloroethane	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichloropropane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3,5-Trimethylbenzene	<0.048		0.13	0.048	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3-Dichlorobenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3-Dichloropropane	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,4-Dichlorobenzene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
2,2-Dichloropropane	<0.057		0.13	0.057	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
2-Chlorotoluene	<0.040		0.13	0.040	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
4-Chlorotoluene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-6 (3'-5')**

**Lab Sample ID: 500-180587-6**

**Date Collected: 04/10/20 15:25**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.019		0.032	0.019	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromobenzene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromochloromethane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromodichloromethane	<0.047		0.13	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromoform	<0.062		0.13	0.062	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromomethane	<0.10	*	0.38	0.10	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Carbon tetrachloride	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chlorobenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloroethane	<0.064		0.13	0.064	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloroform	<0.047		0.25	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloromethane	<0.041		0.13	0.041	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
cis-1,2-Dichloroethene	<0.052		0.13	0.052	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
cis-1,3-Dichloropropene	<0.053		0.13	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dibromochloromethane	<0.062		0.13	0.062	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dibromomethane	<0.034		0.13	0.034	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dichlorodifluoromethane	<0.086		0.38	0.086	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Ethylbenzene	<0.023		0.032	0.023	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Hexachlorobutadiene	<0.057		0.13	0.057	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Isopropyl ether	<0.035		0.13	0.035	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Isopropylbenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Methyl tert-butyl ether	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Methylene Chloride	<0.21		0.64	0.21	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Naphthalene	<0.043		0.13	0.043	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
n-Butylbenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
N-Propylbenzene	<0.053		0.13	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
p-Isopropyltoluene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
sec-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Styrene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
tert-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Tetrachloroethene	<0.047		0.13	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Toluene	<0.019		0.032	0.019	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
trans-1,2-Dichloroethene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
trans-1,3-Dichloropropene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Trichloroethene	<0.021		0.064	0.021	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Trichlorofluoromethane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Vinyl chloride	<0.033		0.13	0.033	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Xylenes, Total	<0.028		0.064	0.028	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		75 - 126	04/10/20 15:25	04/22/20 02:01	50
4-Bromofluorobenzene (Surr)	99		72 - 124	04/10/20 15:25	04/22/20 02:01	50
Dibromofluoromethane (Surr)	93		75 - 120	04/10/20 15:25	04/22/20 02:01	50
Toluene-d8 (Surr)	93		75 - 120	04/10/20 15:25	04/22/20 02:01	50

**Method: 8270D - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0090		0.074	0.0090	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
2-Methylnaphthalene	<0.0068		0.074	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Acenaphthene	<0.0066		0.037	0.0066	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Acenaphthylene	<0.0048		0.037	0.0048	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-6 (3'-5')**

**Lab Sample ID: 500-180587-6**

Date Collected: 04/10/20 15:25

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 88.6

**Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.0061		0.037	0.0061	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[a]anthracene	<0.0049		0.037	0.0049	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[a]pyrene	<0.0071		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[b]fluoranthene	<0.0079		0.037	0.0079	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Dibenz(a,h)anthracene	<0.0071		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Fluoranthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Indeno[1,2,3-cd]pyrene	<0.0095		0.037	0.0095	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Phenanthrene	<0.0051		0.037	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		43 - 145				04/24/20 07:35	04/24/20 23:41	1
Nitrobenzene-d5 (Surr)	85		37 - 147				04/24/20 07:35	04/24/20 23:41	1
Terphenyl-d14 (Surr)	126		42 - 157				04/24/20 07:35	04/24/20 23:41	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		0.99	0.34	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Barium	36		0.99	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Cadmium	0.26	B	0.20	0.035	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Chromium	15		0.99	0.49	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Lead	9.0		0.49	0.23	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Silver	0.23	J	0.49	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:42	1

**Client Sample ID: 40392-B-7 (3'-5')**

**Lab Sample ID: 500-180587-7**

Date Collected: 04/10/20 13:10

Matrix: Solid

Date Received: 04/14/20 09:40

Percent Solids: 84.2

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.047		0.10	0.047	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,1-Trichloroethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,2,2-Tetrachloroethane	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,2-Trichloroethane	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloroethane	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloroethene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloropropene	<0.031		0.10	0.031	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,3-Trichlorobenzene	<0.047		0.10	0.047	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,3-Trichloropropane	<0.042		0.20	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,4-Trichlorobenzene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,4-Trimethylbenzene	0.11		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50

Eurofins TestAmerica, Chicago

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## GC/MS VOA

### Prep Batch: 538558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	5035	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	5035	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	5035	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	5035	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	5035	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	5035	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	5035	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	5035	
500-180587-8 - DL	40392-B-8 (9'-11')	Total/NA	Solid	5035	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	5035	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	5035	
LB3 500-538558/11-A	Method Blank	Total/NA	Solid	5035	
LCS 500-538558/12-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 539012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	8260B	538558
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	8260B	538558
LB3 500-538558/11-A	Method Blank	Total/NA	Solid	8260B	538558
MB 500-539012/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-538558/12-A	Lab Control Sample	Total/NA	Solid	8260B	538558
LCS 500-539012/4	Lab Control Sample	Total/NA	Solid	8260B	

### Analysis Batch: 539158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8260B	538558
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	8260B	538558
MB 500-539158/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-539158/4	Lab Control Sample	Total/NA	Solid	8260B	

### Analysis Batch: 539221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-8 - DL	40392-B-8 (9'-11')	Total/NA	Solid	8260B	538558
MB 500-539221/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-539221/4	Lab Control Sample	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 539345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3541	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	3541	
MB 500-539345/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539345/2-A	Lab Control Sample	Total/NA	Solid	3541	

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## GC/MS Semi VOA

### Analysis Batch: 539494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	8270D	539345
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	8270D	539345
MB 500-539345/1-A	Method Blank	Total/NA	Solid	8270D	539345
LCS 500-539345/2-A	Lab Control Sample	Total/NA	Solid	8270D	539345

### Prep Batch: 539625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	3541	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	3541	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	3541	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	3541	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3541	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	3541	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	3541	
MB 500-539625/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539625/2-A	Lab Control Sample	Total/NA	Solid	3541	

### Analysis Batch: 539715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8270D	539625
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	8270D	539625
MB 500-539625/1-A	Method Blank	Total/NA	Solid	8270D	539625
LCS 500-539625/2-A	Lab Control Sample	Total/NA	Solid	8270D	539625

## GC Semi VOA

### Prep Batch: 539634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3541	
MB 500-539634/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539634/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-180587-5 MS	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-5 MSD	40392-B-5 (3'-5')	Total/NA	Solid	3541	

### Analysis Batch: 539664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8082A	539634
MB 500-539634/1-A	Method Blank	Total/NA	Solid	8082A	539634
LCS 500-539634/2-A	Lab Control Sample	Total/NA	Solid	8082A	539634
500-180587-5 MS	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634
500-180587-5 MSD	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634

Eurofins TestAmerica, Chicago

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Metals

### Prep Batch: 538296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	3050B	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	3050B	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	3050B	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3050B	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	3050B	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	3050B	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3050B	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	3050B	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	3050B	
MB 500-538296/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-538296/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-180587-1 MS	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-1 MSD	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	

### Analysis Batch: 538485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	6010B	538296
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	6010B	538296
MB 500-538296/1-A	Method Blank	Total/NA	Solid	6010B	538296
LCS 500-538296/2-A	Lab Control Sample	Total/NA	Solid	6010B	538296
500-180587-1 MS	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-1 MSD	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296

### Prep Batch: 538861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	7471A	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	7471A	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	7471A	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	7471A	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	7471A	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	7471A	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	7471A	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	7471A	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	7471A	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	7471A	
MB 500-538861/12-A	Method Blank	Total/NA	Solid	7471A	
LCS 500-538861/13-A	Lab Control Sample	Total/NA	Solid	7471A	

# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Metals

### Analysis Batch: 539069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	7471A	538861
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	7471A	538861
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	7471A	538861
MB 500-538861/12-A	Method Blank	Total/NA	Solid	7471A	538861
LCS 500-538861/13-A	Lab Control Sample	Total/NA	Solid	7471A	538861

## General Chemistry

### Analysis Batch: 538055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	Moisture	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	Moisture	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	Moisture	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	Moisture	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	Moisture	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	Moisture	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	Moisture	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	Moisture	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	Moisture	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	Moisture	
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-180587-1	40392-B-1 (5.5'-7.5')	101	91	102	102
500-180587-2	40392-B-2 (4'-6')	101	90	102	102
500-180587-3	40392-B-3 (4'-6')	102	90	101	103
500-180587-4	40392-B-4 (4'-6')	86	101	99	92
500-180587-5	40392-B-5 (3'-5')	88	101	97	92
500-180587-6	40392-B-6 (3'-5')	88	99	93	93
500-180587-7	40392-B-7 (3'-5')	87	99	95	91
500-180587-8	40392-B-8 (9'-11')	84	112	92	98
500-180587-8 - DL	40392-B-8 (9'-11')	105	84	108	101
500-180587-9	40392-B-9 (4'-6')	88	99	94	92
500-180587-10	40392-B-12 (3.5'-5.5')	88	98	95	90
LB3 500-538558/11-A	Method Blank	105	91	105	101
LCS 500-538558/12-A	Lab Control Sample	103	90	107	100
LCS 500-539012/4	Lab Control Sample	96	91	101	105
LCS 500-539158/4	Lab Control Sample	85	88	102	89
LCS 500-539221/4	Lab Control Sample	96	90	102	103
MB 500-539012/6	Method Blank	101	91	102	103
MB 500-539158/6	Method Blank	89	105	100	93
MB 500-539221/6	Method Blank	98	90	100	101

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-180587-1	40392-B-1 (5.5'-7.5')	79	71	127
500-180587-2	40392-B-2 (4'-6')	92	82	133
500-180587-3	40392-B-3 (4'-6')	83	73	123
500-180587-4	40392-B-4 (4'-6')	78	77	117
500-180587-5	40392-B-5 (3'-5')	86	82	123
500-180587-6	40392-B-6 (3'-5')	92	85	126
500-180587-7	40392-B-7 (3'-5')	87	75	104
500-180587-8	40392-B-8 (9'-11')	90	48	92
500-180587-9	40392-B-9 (4'-6')	98	84	107
500-180587-10	40392-B-12 (3.5'-5.5')	97	86	111
LCS 500-539345/2-A	Lab Control Sample	104	95	122
LCS 500-539625/2-A	Lab Control Sample	104	100	129
MB 500-539345/1-A	Method Blank	108	96	138
MB 500-539625/1-A	Method Blank	102	88	135

### Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Eurofins TestAmerica, Chicago

# Surrogate Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2	DCBP2
		(49-129)	(37-121)
500-180587-5	40392-B-5 (3'-5')	94	113
500-180587-5 MS	40392-B-5 (3'-5')	98	113
500-180587-5 MSD	40392-B-5 (3'-5')	89	108
500-180587-8	40392-B-8 (9'-11')	85	84
LCS 500-539634/2-A	Lab Control Sample	100	115
MB 500-539634/1-A	Method Blank	91	111

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: LB3 500-538558/11-A**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 538558**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LB3 500-538558/11-A**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 538558**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/17/20 00:20	04/21/20 18:05	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	04/17/20 00:20	04/21/20 18:05	50
4-Bromofluorobenzene (Surr)	91		72 - 124	04/17/20 00:20	04/21/20 18:05	50
Dibromofluoromethane (Surr)	105		75 - 120	04/17/20 00:20	04/21/20 18:05	50
Toluene-d8 (Surr)	101		75 - 120	04/17/20 00:20	04/21/20 18:05	50

**Lab Sample ID: LCS 500-538558/12-A**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 538558**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.59		mg/Kg		104	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.85		mg/Kg		114	62 - 140
1,1,2-Trichloroethane	2.50	2.82		mg/Kg		113	71 - 130
1,1-Dichloroethane	2.50	2.55		mg/Kg		102	70 - 125
1,1-Dichloroethene	2.50	2.47		mg/Kg		99	67 - 122
1,1-Dichloropropene	2.50	2.52		mg/Kg		101	70 - 121
1,2,3-Trichlorobenzene	2.50	2.82		mg/Kg		113	51 - 145
1,2,3-Trichloropropane	2.50	2.73		mg/Kg		109	50 - 133
1,2,4-Trichlorobenzene	2.50	2.66		mg/Kg		106	57 - 137
1,2,4-Trimethylbenzene	2.50	2.61		mg/Kg		104	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.47		mg/Kg		99	56 - 123
1,2-Dibromoethane	2.50	3.00		mg/Kg		120	70 - 125
1,2-Dichlorobenzene	2.50	2.82		mg/Kg		113	70 - 125
1,2-Dichloroethane	2.50	2.77		mg/Kg		111	68 - 127
1,2-Dichloropropane	2.50	2.62		mg/Kg		105	67 - 130
1,3,5-Trimethylbenzene	2.50	2.58		mg/Kg		103	70 - 123
1,3-Dichlorobenzene	2.50	2.71		mg/Kg		108	70 - 125
1,3-Dichloropropane	2.50	2.79		mg/Kg		112	62 - 136
1,4-Dichlorobenzene	2.50	2.70		mg/Kg		108	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.61		mg/Kg		104	70 - 125
4-Chlorotoluene	2.50	2.58		mg/Kg		103	68 - 124
Benzene	2.50	2.88		mg/Kg		115	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-538558/12-A**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 538558**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.71		mg/Kg		108	70 - 122
Bromochloromethane	2.50	2.88		mg/Kg		115	65 - 122
Bromodichloromethane	2.50	2.80		mg/Kg		112	69 - 120
Bromoform	2.50	2.87		mg/Kg		115	56 - 132
Bromomethane	2.50	4.28	*	mg/Kg		171	40 - 152
Carbon tetrachloride	2.50	2.42		mg/Kg		97	59 - 133
Chlorobenzene	2.50	2.84		mg/Kg		113	70 - 120
Chloroethane	2.50	3.30		mg/Kg		132	48 - 136
Chloroform	2.50	2.80		mg/Kg		112	70 - 120
Chloromethane	2.50	1.46		mg/Kg		58	56 - 152
cis-1,2-Dichloroethene	2.50	2.91		mg/Kg		116	70 - 125
cis-1,3-Dichloropropene	2.50	2.76		mg/Kg		110	64 - 127
Dibromochloromethane	2.50	2.78		mg/Kg		111	68 - 125
Dibromomethane	2.50	3.01		mg/Kg		120	70 - 120
Dichlorodifluoromethane	2.50	1.19		mg/Kg		48	40 - 159
Ethylbenzene	2.50	2.73		mg/Kg		109	70 - 123
Hexachlorobutadiene	2.50	2.33		mg/Kg		93	51 - 150
Isopropylbenzene	2.50	2.53		mg/Kg		101	70 - 126
Methyl tert-butyl ether	2.50	2.95		mg/Kg		118	55 - 123
Methylene Chloride	2.50	2.99		mg/Kg		119	69 - 125
Naphthalene	2.50	2.80		mg/Kg		112	53 - 144
n-Butylbenzene	2.50	2.53		mg/Kg		101	68 - 125
N-Propylbenzene	2.50	2.57		mg/Kg		103	69 - 127
p-Isopropyltoluene	2.50	2.46		mg/Kg		98	70 - 125
sec-Butylbenzene	2.50	2.51		mg/Kg		101	70 - 123
Styrene	2.50	2.82		mg/Kg		113	70 - 120
tert-Butylbenzene	2.50	2.44		mg/Kg		98	70 - 121
Tetrachloroethene	2.50	2.60		mg/Kg		104	70 - 128
Toluene	2.50	2.74		mg/Kg		110	70 - 125
trans-1,2-Dichloroethene	2.50	2.77		mg/Kg		111	70 - 125
trans-1,3-Dichloropropene	2.50	2.69		mg/Kg		107	62 - 128
Trichloroethene	2.50	2.70		mg/Kg		108	70 - 125
Trichlorofluoromethane	2.50	2.28		mg/Kg		91	55 - 128
Vinyl chloride	2.50	1.84		mg/Kg		74	64 - 126
Xylenes, Total	5.00	5.49		mg/Kg		110	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	107		75 - 120
Toluene-d8 (Surr)	100		75 - 120

**Lab Sample ID: MB 500-539012/6**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 09:42	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539012/6**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/21/20 09:42	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 09:42	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/21/20 09:42	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/21/20 09:42	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/21/20 09:42	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 09:42	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/21/20 09:42	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/21/20 09:42	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 09:42	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 09:42	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/21/20 09:42	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/21/20 09:42	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/21/20 09:42	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/21/20 09:42	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/21/20 09:42	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/21/20 09:42	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/21/20 09:42	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/21/20 09:42	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/21/20 09:42	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/21/20 09:42	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/21/20 09:42	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/21/20 09:42	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/21/20 09:42	1
Naphthalene	0.000415	J	0.0010	0.00033	mg/Kg			04/21/20 09:42	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539012/6**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 09:42	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 09:42	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/21/20 09:42	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/21/20 09:42	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/21/20 09:42	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/21/20 09:42	1
4-Bromofluorobenzene (Surr)	91		72 - 124		04/21/20 09:42	1
Dibromofluoromethane (Surr)	102		75 - 120		04/21/20 09:42	1
Toluene-d8 (Surr)	103		75 - 120		04/21/20 09:42	1

**Lab Sample ID: LCS 500-539012/4**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0491		mg/Kg		98	70 - 125
1,1,1-Trichloroethane	0.0500	0.0496		mg/Kg		99	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0450		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0466		mg/Kg		93	71 - 130
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125
1,1-Dichloroethene	0.0500	0.0522		mg/Kg		104	67 - 122
1,1-Dichloropropene	0.0500	0.0483		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0468		mg/Kg		94	51 - 145
1,2,3-Trichloropropane	0.0500	0.0430		mg/Kg		86	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0466		mg/Kg		93	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0464		mg/Kg		93	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0407		mg/Kg		81	56 - 123
1,2-Dibromoethane	0.0500	0.0472		mg/Kg		94	70 - 125
1,2-Dichlorobenzene	0.0500	0.0471		mg/Kg		94	70 - 125
1,2-Dichloroethane	0.0500	0.0445		mg/Kg		89	68 - 127
1,2-Dichloropropane	0.0500	0.0435		mg/Kg		87	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0473		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0476		mg/Kg		95	70 - 125
1,3-Dichloropropane	0.0500	0.0463		mg/Kg		93	62 - 136
1,4-Dichlorobenzene	0.0500	0.0463		mg/Kg		93	70 - 120
2,2-Dichloropropane	0.0500	0.0492		mg/Kg		98	58 - 139
2-Chlorotoluene	0.0500	0.0459		mg/Kg		92	70 - 125
4-Chlorotoluene	0.0500	0.0464		mg/Kg		93	68 - 124
Benzene	0.0500	0.0489		mg/Kg		98	70 - 120
Bromobenzene	0.0500	0.0449		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0468		mg/Kg		94	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-539012/4**  
**Matrix: Solid**  
**Analysis Batch: 539012**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0456		mg/Kg		91	69 - 120
Bromoform	0.0500	0.0485		mg/Kg		97	56 - 132
Bromomethane	0.0500	0.0795	*	mg/Kg		159	40 - 152
Carbon tetrachloride	0.0500	0.0492		mg/Kg		98	59 - 133
Chlorobenzene	0.0500	0.0488		mg/Kg		98	70 - 120
Chloroethane	0.0500	0.0617		mg/Kg		123	48 - 136
Chloroform	0.0500	0.0467		mg/Kg		93	70 - 120
Chloromethane	0.0500	0.0317		mg/Kg		63	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0498		mg/Kg		100	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0475		mg/Kg		95	64 - 127
Dibromochloromethane	0.0500	0.0456		mg/Kg		91	68 - 125
Dibromomethane	0.0500	0.0479		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0352		mg/Kg		70	40 - 159
Ethylbenzene	0.0500	0.0515		mg/Kg		103	70 - 123
Hexachlorobutadiene	0.0500	0.0463		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0481		mg/Kg		96	70 - 126
Methyl tert-butyl ether	0.0500	0.0471		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0495		mg/Kg		99	69 - 125
Naphthalene	0.0500	0.0442		mg/Kg		88	53 - 144
n-Butylbenzene	0.0500	0.0501		mg/Kg		100	68 - 125
N-Propylbenzene	0.0500	0.0486		mg/Kg		97	69 - 127
p-Isopropyltoluene	0.0500	0.0470		mg/Kg		94	70 - 125
sec-Butylbenzene	0.0500	0.0487		mg/Kg		97	70 - 123
Styrene	0.0500	0.0477		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0465		mg/Kg		93	70 - 121
Tetrachloroethene	0.0500	0.0529		mg/Kg		106	70 - 128
Toluene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0509		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0451		mg/Kg		90	62 - 128
Trichloroethene	0.0500	0.0479		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0509		mg/Kg		102	55 - 128
Vinyl chloride	0.0500	0.0407		mg/Kg		81	64 - 126
Xylenes, Total	0.100	0.0987		mg/Kg		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
4-Bromofluorobenzene (Surr)	91		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	105		75 - 120

**Lab Sample ID: MB 500-539158/6**  
**Matrix: Solid**  
**Analysis Batch: 539158**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 22:39	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539158/6**

**Matrix: Solid**

**Analysis Batch: 539158**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/21/20 22:39	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 22:39	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/21/20 22:39	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/21/20 22:39	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
1,2-Dibromo-3-Chloropropane	<0.00020		0.0050	0.0020	mg/Kg			04/21/20 22:39	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 22:39	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/21/20 22:39	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/21/20 22:39	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 22:39	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 22:39	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/21/20 22:39	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/21/20 22:39	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/21/20 22:39	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/21/20 22:39	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/21/20 22:39	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/21/20 22:39	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/21/20 22:39	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/21/20 22:39	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/21/20 22:39	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/21/20 22:39	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/21/20 22:39	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/21/20 22:39	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/21/20 22:39	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 22:39	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539158/6**  
**Matrix: Solid**  
**Analysis Batch: 539158**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 22:39	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 22:39	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/21/20 22:39	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/21/20 22:39	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/21/20 22:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/21/20 22:39	1
4-Bromofluorobenzene (Surr)	105		72 - 124		04/21/20 22:39	1
Dibromofluoromethane (Surr)	100		75 - 120		04/21/20 22:39	1
Toluene-d8 (Surr)	93		75 - 120		04/21/20 22:39	1

**Lab Sample ID: LCS 500-539158/4**  
**Matrix: Solid**  
**Analysis Batch: 539158**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0436		mg/Kg		87	70 - 125
1,1,1-Trichloroethane	0.0500	0.0509		mg/Kg		102	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0382		mg/Kg		76	62 - 140
1,1,2-Trichloroethane	0.0500	0.0389		mg/Kg		78	71 - 130
1,1-Dichloroethane	0.0500	0.0456		mg/Kg		91	70 - 125
1,1-Dichloroethene	0.0500	0.0497		mg/Kg		99	67 - 122
1,1-Dichloropropene	0.0500	0.0458		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0405		mg/Kg		81	51 - 145
1,2,3-Trichloropropane	0.0500	0.0393		mg/Kg		79	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0417		mg/Kg		83	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0422		mg/Kg		84	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0250	*	mg/Kg		50	56 - 123
1,2-Dibromoethane	0.0500	0.0435		mg/Kg		87	70 - 125
1,2-Dichlorobenzene	0.0500	0.0443		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0400		mg/Kg		80	68 - 127
1,2-Dichloropropane	0.0500	0.0425		mg/Kg		85	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0426		mg/Kg		85	70 - 123
1,3-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	70 - 125
1,3-Dichloropropane	0.0500	0.0395		mg/Kg		79	62 - 136
1,4-Dichlorobenzene	0.0500	0.0449		mg/Kg		90	70 - 120
2,2-Dichloropropane	0.0500	0.0463		mg/Kg		93	58 - 139
2-Chlorotoluene	0.0500	0.0407		mg/Kg		81	70 - 125
4-Chlorotoluene	0.0500	0.0413		mg/Kg		83	68 - 124
Benzene	0.0500	0.0457		mg/Kg		91	70 - 120
Bromobenzene	0.0500	0.0447		mg/Kg		89	70 - 122
Bromochloromethane	0.0500	0.0540		mg/Kg		108	65 - 122
Bromodichloromethane	0.0500	0.0399		mg/Kg		80	69 - 120
Bromoform	0.0500	0.0383		mg/Kg		77	56 - 132

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-539158/4**  
**Matrix: Solid**  
**Analysis Batch: 539158**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0862	*	mg/Kg		172	40 - 152
Carbon tetrachloride	0.0500	0.0480		mg/Kg		96	59 - 133
Chlorobenzene	0.0500	0.0470		mg/Kg		94	70 - 120
Chloroethane	0.0500	0.0608		mg/Kg		122	48 - 136
Chloroform	0.0500	0.0474		mg/Kg		95	70 - 120
Chloromethane	0.0500	0.0483		mg/Kg		97	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0520		mg/Kg		104	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0349		mg/Kg		70	64 - 127
Dibromochloromethane	0.0500	0.0393		mg/Kg		79	68 - 125
Dibromomethane	0.0500	0.0445		mg/Kg		89	70 - 120
Dichlorodifluoromethane	0.0500	0.0392		mg/Kg		78	40 - 159
Ethylbenzene	0.0500	0.0482		mg/Kg		96	70 - 123
Hexachlorobutadiene	0.0500	0.0454		mg/Kg		91	51 - 150
Isopropylbenzene	0.0500	0.0419		mg/Kg		84	70 - 126
Methyl tert-butyl ether	0.0500	0.0407		mg/Kg		81	55 - 123
Methylene Chloride	0.0500	0.0485		mg/Kg		97	69 - 125
Naphthalene	0.0500	0.0372		mg/Kg		74	53 - 144
n-Butylbenzene	0.0500	0.0427		mg/Kg		85	68 - 125
N-Propylbenzene	0.0500	0.0428		mg/Kg		86	69 - 127
p-Isopropyltoluene	0.0500	0.0452		mg/Kg		90	70 - 125
sec-Butylbenzene	0.0500	0.0439		mg/Kg		88	70 - 123
Styrene	0.0500	0.0464		mg/Kg		93	70 - 120
tert-Butylbenzene	0.0500	0.0425		mg/Kg		85	70 - 121
Tetrachloroethene	0.0500	0.0464		mg/Kg		93	70 - 128
Toluene	0.0500	0.0404		mg/Kg		81	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0526		mg/Kg		105	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0349		mg/Kg		70	62 - 128
Trichloroethene	0.0500	0.0492		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0492		mg/Kg		98	55 - 128
Vinyl chloride	0.0500	0.0525		mg/Kg		105	64 - 126
Xylenes, Total	0.100	0.0880		mg/Kg		88	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		75 - 126
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
Toluene-d8 (Surr)	89		75 - 120

**Lab Sample ID: MB 500-539221/6**  
**Matrix: Solid**  
**Analysis Batch: 539221**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/22/20 10:14	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539221/6**

**Matrix: Solid**

**Analysis Batch: 539221**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/22/20 10:14	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/22/20 10:14	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/22/20 10:14	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/22/20 10:14	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/22/20 10:14	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/22/20 10:14	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/22/20 10:14	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/22/20 10:14	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/22/20 10:14	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/22/20 10:14	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/22/20 10:14	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/22/20 10:14	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/22/20 10:14	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/22/20 10:14	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/22/20 10:14	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/22/20 10:14	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/22/20 10:14	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/22/20 10:14	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/22/20 10:14	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/22/20 10:14	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/22/20 10:14	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/22/20 10:14	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/22/20 10:14	1
Naphthalene	0.000441	J	0.0010	0.00033	mg/Kg			04/22/20 10:14	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/22/20 10:14	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/22/20 10:14	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539221/6**  
**Matrix: Solid**  
**Analysis Batch: 539221**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/22/20 10:14	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/22/20 10:14	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/22/20 10:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		04/22/20 10:14	1
4-Bromofluorobenzene (Surr)	90		72 - 124		04/22/20 10:14	1
Dibromofluoromethane (Surr)	100		75 - 120		04/22/20 10:14	1
Toluene-d8 (Surr)	101		75 - 120		04/22/20 10:14	1

**Lab Sample ID: LCS 500-539221/4**  
**Matrix: Solid**  
**Analysis Batch: 539221**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0478		mg/Kg		96	70 - 125
1,1,1-Trichloroethane	0.0500	0.0484		mg/Kg		97	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0449		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0464		mg/Kg		93	71 - 130
1,1-Dichloroethane	0.0500	0.0447		mg/Kg		89	70 - 125
1,1-Dichloroethene	0.0500	0.0508		mg/Kg		102	67 - 122
1,1-Dichloropropene	0.0500	0.0480		mg/Kg		96	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0449		mg/Kg		90	51 - 145
1,2,3-Trichloropropane	0.0500	0.0442		mg/Kg		88	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0460		mg/Kg		92	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0454		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0377		mg/Kg		75	56 - 123
1,2-Dibromoethane	0.0500	0.0481		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 125
1,2-Dichloroethane	0.0500	0.0448		mg/Kg		90	68 - 127
1,2-Dichloropropane	0.0500	0.0431		mg/Kg		86	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0456		mg/Kg		91	70 - 123
1,3-Dichlorobenzene	0.0500	0.0460		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0452		mg/Kg		90	62 - 136
1,4-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	70 - 120
2,2-Dichloropropane	0.0500	0.0470		mg/Kg		94	58 - 139
2-Chlorotoluene	0.0500	0.0449		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0447		mg/Kg		89	68 - 124
Benzene	0.0500	0.0489		mg/Kg		98	70 - 120
Bromobenzene	0.0500	0.0452		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0460		mg/Kg		92	65 - 122
Bromodichloromethane	0.0500	0.0451		mg/Kg		90	69 - 120
Bromoform	0.0500	0.0467		mg/Kg		93	56 - 132
Bromomethane	0.0500	0.0618		mg/Kg		124	40 - 152
Carbon tetrachloride	0.0500	0.0476		mg/Kg		95	59 - 133

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-539221/4**  
**Matrix: Solid**  
**Analysis Batch: 539221**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.0477		mg/Kg		95	70 - 120
Chloroethane	0.0500	0.0570		mg/Kg		114	48 - 136
Chloroform	0.0500	0.0467		mg/Kg		93	70 - 120
Chloromethane	0.0500	0.0280		mg/Kg		56	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0497		mg/Kg		99	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0449		mg/Kg		90	68 - 125
Dibromomethane	0.0500	0.0481		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0297		mg/Kg		59	40 - 159
Ethylbenzene	0.0500	0.0492		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0443		mg/Kg		89	51 - 150
Isopropylbenzene	0.0500	0.0463		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0469		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0494		mg/Kg		99	69 - 125
Naphthalene	0.0500	0.0425		mg/Kg		85	53 - 144
n-Butylbenzene	0.0500	0.0484		mg/Kg		97	68 - 125
N-Propylbenzene	0.0500	0.0470		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0450		mg/Kg		90	70 - 125
sec-Butylbenzene	0.0500	0.0477		mg/Kg		95	70 - 123
Styrene	0.0500	0.0474		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0452		mg/Kg		90	70 - 121
Tetrachloroethene	0.0500	0.0508		mg/Kg		102	70 - 128
Toluene	0.0500	0.0487		mg/Kg		97	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0509		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0449		mg/Kg		90	62 - 128
Trichloroethene	0.0500	0.0474		mg/Kg		95	70 - 125
Trichlorofluoromethane	0.0500	0.0471		mg/Kg		94	55 - 128
Vinyl chloride	0.0500	0.0384		mg/Kg		77	64 - 126
Xylenes, Total	0.100	0.0958		mg/Kg		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
Toluene-d8 (Surr)	103		75 - 120

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-539345/1-A**  
**Matrix: Solid**  
**Analysis Batch: 539494**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 539345**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		04/22/20 16:18	04/23/20 13:18	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539345/1-A**  
**Matrix: Solid**  
**Analysis Batch: 539494**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 539345**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		04/22/20 16:18	04/23/20 13:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	108		43 - 145	04/22/20 16:18	04/23/20 13:18	1
Nitrobenzene-d5 (Surr)	96		37 - 147	04/22/20 16:18	04/23/20 13:18	1
Terphenyl-d14 (Surr)	138		42 - 157	04/22/20 16:18	04/23/20 13:18	1

**Lab Sample ID: LCS 500-539345/2-A**  
**Matrix: Solid**  
**Analysis Batch: 539494**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 539345**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1-Methylnaphthalene	1.33	1.30		mg/Kg		98	68 - 111
2-Methylnaphthalene	1.33	1.30		mg/Kg		97	69 - 112
Acenaphthene	1.33	1.44		mg/Kg		108	65 - 124
Acenaphthylene	1.33	1.41		mg/Kg		106	68 - 120
Anthracene	1.33	1.50		mg/Kg		112	70 - 114
Benzo[a]anthracene	1.33	1.48		mg/Kg		111	67 - 122
Benzo[a]pyrene	1.33	1.43		mg/Kg		107	65 - 133
Benzo[b]fluoranthene	1.33	1.35		mg/Kg		101	69 - 129
Benzo[g,h,i]perylene	1.33	1.61		mg/Kg		121	72 - 131
Benzo[k]fluoranthene	1.33	1.38		mg/Kg		104	68 - 127
Chrysene	1.33	1.41		mg/Kg		106	63 - 120
Dibenz(a,h)anthracene	1.33	1.46		mg/Kg		109	64 - 131
Fluoranthene	1.33	1.43		mg/Kg		108	62 - 120
Fluorene	1.33	1.42		mg/Kg		106	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.44		mg/Kg		108	68 - 130
Naphthalene	1.33	1.33		mg/Kg		100	63 - 110
Phenanthrene	1.33	1.47		mg/Kg		111	62 - 120
Pyrene	1.33	1.67		mg/Kg		125	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	104		43 - 145
Nitrobenzene-d5 (Surr)	95		37 - 147
Terphenyl-d14 (Surr)	122		42 - 157

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-539625/1-A**  
**Matrix: Solid**  
**Analysis Batch: 539715**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 539625**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		04/24/20 07:35	04/24/20 20:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	102		43 - 145	04/24/20 07:35	04/24/20 20:13	1
Nitrobenzene-d5 (Surr)	88		37 - 147	04/24/20 07:35	04/24/20 20:13	1
Terphenyl-d14 (Surr)	135		42 - 157	04/24/20 07:35	04/24/20 20:13	1

**Lab Sample ID: LCS 500-539625/2-A**  
**Matrix: Solid**  
**Analysis Batch: 539715**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 539625**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	1.33	1.29		mg/Kg		96	68 - 111
2-Methylnaphthalene	1.33	1.29		mg/Kg		97	69 - 112
Acenaphthene	1.33	1.39		mg/Kg		104	65 - 124
Acenaphthylene	1.33	1.36		mg/Kg		102	68 - 120
Anthracene	1.33	1.36		mg/Kg		102	70 - 114
Benzo[a]anthracene	1.33	1.41		mg/Kg		106	67 - 122
Benzo[a]pyrene	1.33	1.44		mg/Kg		108	65 - 133
Benzo[b]fluoranthene	1.33	1.41		mg/Kg		106	69 - 129
Benzo[g,h,i]perylene	1.33	1.71		mg/Kg		128	72 - 131
Benzo[k]fluoranthene	1.33	1.45		mg/Kg		109	68 - 127
Chrysene	1.33	1.34		mg/Kg		101	63 - 120
Dibenz(a,h)anthracene	1.33	1.48		mg/Kg		111	64 - 131
Fluoranthene	1.33	1.35		mg/Kg		101	62 - 120
Fluorene	1.33	1.37		mg/Kg		102	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.48		mg/Kg		111	68 - 130
Naphthalene	1.33	1.31		mg/Kg		98	63 - 110
Phenanthrene	1.33	1.47		mg/Kg		110	62 - 120
Pyrene	1.33	1.67		mg/Kg		125	61 - 128

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-539625/2-A**  
**Matrix: Solid**  
**Analysis Batch: 539715**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 539625**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	104		43 - 145
Nitrobenzene-d5 (Surr)	100		37 - 147
Terphenyl-d14 (Surr)	129		42 - 157

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-539634/1-A**  
**Matrix: Solid**  
**Analysis Batch: 539664**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 539634**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/24/20 08:14	04/24/20 18:08	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	91		49 - 129	04/24/20 08:14	04/24/20 18:08	1
DCB Decachlorobiphenyl	111		37 - 121	04/24/20 08:14	04/24/20 18:08	1

**Lab Sample ID: LCS 500-539634/2-A**  
**Matrix: Solid**  
**Analysis Batch: 539664**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 539634**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.167	0.178		mg/Kg		107	57 - 120
PCB-1260	0.167	0.180		mg/Kg		108	61 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	100		49 - 129
DCB Decachlorobiphenyl	115		37 - 121

**Lab Sample ID: 500-180587-5 MS**  
**Matrix: Solid**  
**Analysis Batch: 539664**

**Client Sample ID: 40392-B-5 (3'-5')**  
**Prep Type: Total/NA**  
**Prep Batch: 539634**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
PCB-1016	<0.0067		0.190	0.201		mg/Kg	☼	106	57 - 120
PCB-1260	<0.0093		0.190	0.200		mg/Kg	☼	105	61 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	98		49 - 129
DCB Decachlorobiphenyl	113		37 - 121

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: 500-180587-5 MSD**

**Matrix: Solid**

**Analysis Batch: 539664**

**Client Sample ID: 40392-B-5 (3'-5')**

**Prep Type: Total/NA**

**Prep Batch: 539634**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
PCB-1016	<0.0067		0.192	0.193		mg/Kg	☼	101		57 - 120	4	30
PCB-1260	<0.0093		0.192	0.190		mg/Kg	☼	99		61 - 125	5	30
<b>MSD MSD</b>												
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
Tetrachloro-m-xylene	89		49 - 129									
DCB Decachlorobiphenyl	108		37 - 121									

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 500-538296/1-A**

**Matrix: Solid**

**Analysis Batch: 538485**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 538296**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Barium	<0.11		1.0	0.11	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Cadmium	0.0373	J	0.20	0.036	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Chromium	<0.50		1.0	0.50	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Lead	<0.23		0.50	0.23	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Selenium	<0.59		1.0	0.59	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Silver	<0.13		0.50	0.13	mg/Kg		04/15/20 17:29	04/16/20 08:29	1

**Lab Sample ID: LCS 500-538296/2-A**

**Matrix: Solid**

**Analysis Batch: 538485**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 538296**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Arsenic	10.0	9.20		mg/Kg		92		80 - 120
Barium	200	186		mg/Kg		93		80 - 120
Cadmium	5.00	4.60		mg/Kg		92		80 - 120
Chromium	20.0	19.2		mg/Kg		96		80 - 120
Lead	10.0	9.18		mg/Kg		92		80 - 120
Selenium	10.0	8.22		mg/Kg		82		80 - 120
Silver	5.00	4.46		mg/Kg		89		80 - 120

**Lab Sample ID: 500-180587-1 MS**

**Matrix: Solid**

**Analysis Batch: 538485**

**Client Sample ID: 40392-B-1 (5.5'-7.5')**

**Prep Type: Total/NA**

**Prep Batch: 538296**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Arsenic	5.0		9.87	15.0		mg/Kg	☼	101		75 - 125
Barium	42	V	197	219		mg/Kg	☼	90		75 - 125
Cadmium	0.19	B	4.94	4.77		mg/Kg	☼	93		75 - 125
Chromium	15		19.7	34.7		mg/Kg	☼	101		75 - 125
Lead	9.3		9.87	19.2		mg/Kg	☼	100		75 - 125
Selenium	<0.57		9.87	8.15		mg/Kg	☼	83		75 - 125
Silver	0.27	J	4.94	4.92		mg/Kg	☼	94		75 - 125

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: 500-180587-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 538485**

**Client Sample ID: 40392-B-1 (5.5'-7.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 538296**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Arsenic	5.0		9.66	15.5		mg/Kg	☼	108	75 - 125	3	20
Barium	42	V	193	218		mg/Kg	☼	91	75 - 125	0	20
Cadmium	0.19	B	4.83	4.69		mg/Kg	☼	93	75 - 125	2	20
Chromium	15		19.3	34.6		mg/Kg	☼	102	75 - 125	0	20
Lead	9.3		9.66	20.7		mg/Kg	☼	118	75 - 125	8	20
Selenium	<0.57		9.66	7.92		mg/Kg	☼	82	75 - 125	3	20
Silver	0.27	J	4.83	4.65		mg/Kg	☼	91	75 - 125	6	20

**Lab Sample ID: 500-180587-1 DU**  
**Matrix: Solid**  
**Analysis Batch: 538485**

**Client Sample ID: 40392-B-1 (5.5'-7.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 538296**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Arsenic	5.0		4.77		mg/Kg	☼	5	20
Barium	42	V	40.9		mg/Kg	☼	3	20
Cadmium	0.19	B	0.227		mg/Kg	☼	20	20
Chromium	15		15.8		mg/Kg	☼	6	20
Lead	9.3		9.79		mg/Kg	☼	5	20
Selenium	<0.57		<0.59		mg/Kg	☼	NC	20
Silver	0.27	J	0.319	J	mg/Kg	☼	16	20

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 500-538861/12-A**  
**Matrix: Solid**  
**Analysis Batch: 539069**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 538861**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.0056		0.017	0.0056	mg/Kg		04/20/20 13:55	04/21/20 08:27	1

**Lab Sample ID: LCS 500-538861/13-A**  
**Matrix: Solid**  
**Analysis Batch: 539069**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 538861**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Mercury	0.167	0.172		mg/Kg		103	80 - 120

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-1 (5.5'-7.5')**

**Lab Sample ID: 500-180587-1**

**Date Collected: 04/10/20 11:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-1 (5.5'-7.5')**

**Lab Sample ID: 500-180587-1**

**Date Collected: 04/10/20 11:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 11:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 16:53	JDD	TAL CHI
Total/NA	Prep	3541			539345	04/22/20 16:18	ACK	TAL CHI
Total/NA	Analysis	8270D		1	539494	04/23/20 18:44	AJD	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 08:53	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:31	MJG	TAL CHI

**Client Sample ID: 40392-B-2 (4'-6')**

**Lab Sample ID: 500-180587-2**

**Date Collected: 04/10/20 10:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-2 (4'-6')**

**Lab Sample ID: 500-180587-2**

**Date Collected: 04/10/20 10:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 10:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 17:17	JDD	TAL CHI
Total/NA	Prep	3541			539345	04/22/20 16:18	ACK	TAL CHI
Total/NA	Analysis	8270D		1	539494	04/23/20 19:13	AJD	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:25	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:33	MJG	TAL CHI

**Client Sample ID: 40392-B-3 (4'-6')**

**Lab Sample ID: 500-180587-3**

**Date Collected: 04/10/20 09:50**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-3 (4'-6')**

**Lab Sample ID: 500-180587-3**

**Date Collected: 04/10/20 09:50**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 09:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 17:41	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 22:12	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:29	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:35	MJG	TAL CHI

**Client Sample ID: 40392-B-4 (4'-6')**

**Lab Sample ID: 500-180587-4**

**Date Collected: 04/10/20 14:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-4 (4'-6')**

**Lab Sample ID: 500-180587-4**

**Date Collected: 04/10/20 14:40**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 87.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 01:10	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 22:42	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:33	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:37	MJG	TAL CHI

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

**Date Collected: 04/10/20 15:05**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

**Date Collected: 04/10/20 15:05**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 15:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 01:35	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 23:12	SS	TAL CHI

Eurofins TestAmerica, Chicago

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

**Client Sample ID: 40392-B-5 (3'-5')**

**Lab Sample ID: 500-180587-5**

**Date Collected: 04/10/20 15:05**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			539634	04/24/20 08:14	BSO	TAL CHI
Total/NA	Analysis	8082A		1	539664	04/24/20 18:39	BJH	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:38	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:39	MJG	TAL CHI

**Client Sample ID: 40392-B-6 (3'-5')**

**Lab Sample ID: 500-180587-6**

**Date Collected: 04/10/20 15:25**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-6 (3'-5')**

**Lab Sample ID: 500-180587-6**

**Date Collected: 04/10/20 15:25**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 88.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 15:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 02:01	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 23:41	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:42	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:42	MJG	TAL CHI

**Client Sample ID: 40392-B-7 (3'-5')**

**Lab Sample ID: 500-180587-7**

**Date Collected: 04/10/20 13:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

**Client Sample ID: 40392-B-7 (3'-5')**

**Lab Sample ID: 500-180587-7**

**Date Collected: 04/10/20 13:10**

**Matrix: Solid**

**Date Received: 04/14/20 09:40**

**Percent Solids: 84.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 13:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 02:26	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/25/20 02:39	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:46	JEF	TAL CHI

Eurofins TestAmerica, Chicago

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

## Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-20

1

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500-180587 COC

500-180587

Sample Collector(s) Kyle Vander Heiden		Staff Geologist		Telephone # (incl. area code) (262) 821-1171		Report To Robert Reineke															
Property Owner		Property Address West Center Street & North 32nd Street, Milwaukee, WI		Telephone # (incl. area code) WIA		KSingh Project # 40392															
I hereby certify that I received, properly, and disposed of the samples as noted below				Laboratory Name TestAmerica																	
Relinquished By (Signature) 		Date/Time 4/13/20   12:00		Received By (Signature) 		Temperature Blank: 5.9															
Relinquished By (Signature) 		Date/Time 4-13-20   1700		Received By (Signature) 4/14/20 0940		If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.															
1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.																					
2 Sample description must clearly correlate the sample I.D. to the sampling location																					
Date Collected	Time Collected	Samples		Location/Description (2)	VOCs	PAHs	PCRA Metals	PCAs	SVOCs/PAHs	Pesticides	Herbicides	Sample Condition									
		Type (1)	Device									# / Type of Container		MeOH	HCL	H2SO4	Unpres.	Other Comment			
1 2 3 4 5 6 7 8 9 10	4/10/20	1110	Soil	GP	40392-B-1 (5.5'-7.5')	X	X	X							1					Z	
	4/10/20	1040	Soil	GP	40392-B-2 (4'-6')	X	X	X							1					Z	
	4/10/20	0950	Soil	GP	40392-B-3 (4'-6')	X	X	X							1					Z	
	4/10/20	1440	Soil	GP	40392-B-4 (4'-6')	X	X	X							1					Z	
	4/10/20	1505	Soil	GP	40392-B-5 (3'-5')	X	X	X	X						1					Z	
	4/10/20	1525	Soil	GP	40392-B-6 (3'-5')	X	X	X							1					Z	
	4/10/20	1310	Soil	GP	40392-B-7 (3'-5')	X	X	X							1					Z	
	4/10/20	1420	Soil	GP	40392-B-8 (9'-11')	X	X	X	X						1					Z	
	4/10/20	1600	Soil	GP	40392-B-9 (4'-6')	X	X	X							1					Z	
	4/10/20	1650	Soil	GP	40392-B-12 (3.5'-5.5')	X	X	X							1					Z	
DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES				DEPARTMENT USE ONLY																	
Disposition of unused portion of sample Laboratory should (check): <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for _____ (days) <input type="checkbox"/> Other				Split Samples Offered <input type="checkbox"/> Y <input type="checkbox"/> N Accepted <input type="checkbox"/> Y <input type="checkbox"/> N				Accepted By: _____ Signature													

Soil at B8(9'-11') registered over 500 PPM on PID.

# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-180587-1

**Login Number: 180587**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento  
880 Riverside Parkway  
West Sacramento, CA 95605  
Tel: (916)373-5600

Laboratory Job ID: 320-62194-1

Client Project/Site: Community Within the Corridor - 40405

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke



Authorized for release by:  
7/8/2020 2:50:37 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandie.fredrick@testamericainc.com](mailto:sandie.fredrick@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

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## Job ID: 320-62194-1

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### Laboratory: Eurofins TestAmerica, Sacramento

#### Narrative

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#### Job Narrative 320-62194-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/26/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.7° C.

#### Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): B-13 (1'-2') (320-62194-1). The container labels list 9:30 am, while the COC lists 9:15 am. Samples were labeled according to the COC.

#### LCMS

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following samples are below the method recommended limits for d7-N-MeFOSE-M and d9-N-EtFOSE-M: B-13 (1'-2') (320-62194-1), B-14 (1'-2') (320-62194-2), B-15 (1'-2') (320-62194-3), B-16 (1'-2') (320-62194-4), (320-62194-A-1-B MS) and (320-62194-A-1-C MSD). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

Method SHAKE: The following sample was light yellow after extraction: B-16 (1'-2') (320-62194-4). 320-390751 Solid PFC\_IDA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Client Sample ID: B-13 (1'-2')

Lab Sample ID: 320-62194-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.040	J B	0.23	0.032	ug/Kg	1	☼	537 (modified)	Total/NA

## Client Sample ID: B-14 (1'-2')

Lab Sample ID: 320-62194-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.041	J B	0.24	0.034	ug/Kg	1	☼	537 (modified)	Total/NA

## Client Sample ID: B-15 (1'-2')

Lab Sample ID: 320-62194-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.21	J B	0.23	0.032	ug/Kg	1	☼	537 (modified)	Total/NA

## Client Sample ID: B-16 (1'-2')

Lab Sample ID: 320-62194-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.16	J B	0.24	0.034	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.51	J B	0.61	0.24	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-13 (1'-2')**

**Lab Sample ID: 320-62194-1**

**Date Collected: 06/25/20 09:15**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 87.8**

**Method: 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>0.040</b>	<b>J B</b>	0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoropentanoic acid (PFPeA)	<0.087		0.23	0.087	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorohexanoic acid (PFHxA)	<0.047		0.23	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroheptanoic acid (PFHpA)	<0.033		0.23	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanoic acid (PFOA)	<0.097		0.23	0.097	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorononanoic acid (PFNA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorodecanoic acid (PFDA)	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroundecanoic acid (PFUnA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorododecanoic acid (PFDoA)	<0.076		0.23	0.076	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorotridecanoic acid (PFTriA)	<0.057		0.23	0.057	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.061		0.23	0.061	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		0.23	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.028		0.23	0.028	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.035		0.23	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		0.23	0.039	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.23		0.56	0.23	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorononanesulfonic acid (PFNS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.044		0.23	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.068		0.23	0.068	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanesulfonamide (FOSA)	<0.092		0.23	0.092	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NEtFOSA	<0.027		0.23	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NMeFOSA	<0.046		0.23	0.046	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.3	0.44	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NMeFOSE	<0.080		0.23	0.080	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NEtFOSE	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
4:2 FTS	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
6:2 FTS	<0.17		2.3	0.17	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
8:2 FTS	<0.28		2.3	0.28	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
10:2 FTS	<0.056		0.23	0.056	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
DONA	<0.020		0.23	0.020	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
HFPO-DA (GenX)	<0.12		0.28	0.12	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
F-53B Major	<0.030		0.23	0.030	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
F-53B Minor	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C5 PFPeA	95		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFHxA	94		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C4 PFHpA	92		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C4 PFOA	92		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C5 PFNA	93		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFDA	92		25 - 150	06/30/20 04:43	07/02/20 03:49	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-13 (1'-2')**

**Lab Sample ID: 320-62194-1**

**Date Collected: 06/25/20 09:15**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 87.8**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFUnA	91		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFDoA	94		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFTeDA	90		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFHxDA	95		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C3 PFBS	87		25 - 150	06/30/20 04:43	07/02/20 03:49	1
18O2 PFHxS	87		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C4 PFOS	82		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C8 FOSA	80		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d3-NMeFOSAA	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d5-NEtFOSAA	84		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d-N-MeFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d-N-EtFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d7-N-MeFOSE-M	7 *5		10 - 120	06/30/20 04:43	07/02/20 03:49	1
d9-N-EtFOSE-M	8 *5		10 - 120	06/30/20 04:43	07/02/20 03:49	1
M2-4:2 FTS	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
M2-6:2 FTS	84		25 - 150	06/30/20 04:43	07/02/20 03:49	1
M2-8:2 FTS	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C3 HFPO-DA	92		25 - 150	06/30/20 04:43	07/02/20 03:49	1

**General Chemistry**

<b>Analyte</b>	<b>Result</b>	<b>Qualifier</b>	<b>RL</b>	<b>MDL</b>	<b>Unit</b>	<b>D</b>	<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<b>Percent Moisture</b>	<b>12.2</b>		0.1	0.1	%			07/02/20 14:29	1
<b>Percent Solids</b>	<b>87.8</b>		0.1	0.1	%			07/02/20 14:29	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-14 (1'-2')**

**Lab Sample ID: 320-62194-2**

**Date Collected: 06/25/20 10:05**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 82.3**

**Method: 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>0.041</b>	<b>J B</b>	0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoropentanoic acid (PFPeA)	<0.093		0.24	0.093	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorohexanoic acid (PFHxA)	<0.051		0.24	0.051	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroheptanoic acid (PFHpA)	<0.035		0.24	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanoic acid (PFOA)	<0.10		0.24	0.10	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorononanoic acid (PFNA)	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorodecanoic acid (PFDA)	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroundecanoic acid (PFUnA)	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorododecanoic acid (PFDoA)	<0.081		0.24	0.081	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorotridecanoic acid (PFTriA)	<0.062		0.24	0.062	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.065		0.24	0.065	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.053		0.24	0.053	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.034		0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.030		0.24	0.030	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.037		0.24	0.037	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.042		0.24	0.042	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.24		0.60	0.24	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorononanesulfonic acid (PFNS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.047		0.24	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.072		0.24	0.072	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanesulfonamide (FOSA)	<0.099		0.24	0.099	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NEtFOSA	<0.029		0.24	0.029	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NMeFOSA	<0.050		0.24	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.47		2.4	0.47	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NMeFOSE	<0.086		0.24	0.086	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NEtFOSE	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
4:2 FTS	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
6:2 FTS	<0.18		2.4	0.18	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
8:2 FTS	<0.30		2.4	0.30	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
10:2 FTS	<0.060		0.24	0.060	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
DONA	<0.022		0.24	0.022	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
HFPO-DA (GenX)	<0.13		0.30	0.13	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
F-53B Major	<0.033		0.24	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
F-53B Minor	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C5 PFPeA	89		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFHxA	92		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C4 PFHpA	92		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C4 PFOA	88		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C5 PFNA	91		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFDA	89		25 - 150	06/30/20 04:43	07/02/20 04:17	1

Euofins TestAmerica, Sacramento

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-14 (1'-2')**

**Lab Sample ID: 320-62194-2**

**Date Collected: 06/25/20 10:05**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 82.3**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFUnA	85		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFDoA	89		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFTeDA	88		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFHxDA	90		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C3 PFBS	81		25 - 150	06/30/20 04:43	07/02/20 04:17	1
18O2 PFHxS	83		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C4 PFOS	80		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C8 FOSA	78		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d3-NMeFOSAA	70		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d5-NEtFOSAA	79		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d-N-MeFOSA-M	51		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d-N-EtFOSA-M	46		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d7-N-MeFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:17	1
d9-N-EtFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:17	1
M2-4:2 FTS	75		25 - 150	06/30/20 04:43	07/02/20 04:17	1
M2-6:2 FTS	79		25 - 150	06/30/20 04:43	07/02/20 04:17	1
M2-8:2 FTS	74		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C3 HFPO-DA	90		25 - 150	06/30/20 04:43	07/02/20 04:17	1

**General Chemistry**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Percent Moisture</b>	<b>17.7</b>		0.1	0.1	%			07/02/20 14:29	1
<b>Percent Solids</b>	<b>82.3</b>		0.1	0.1	%			07/02/20 14:29	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-15 (1'-2')**

**Lab Sample ID: 320-62194-3**

**Date Collected: 06/25/20 10:30**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 86.5**

**Method: 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>0.21</b>	<b>J B</b>	0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoropentanoic acid (PFPeA)	<0.088		0.23	0.088	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorohexanoic acid (PFHxA)	<0.048		0.23	0.048	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroheptanoic acid (PFHpA)	<0.033		0.23	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanoic acid (PFOA)	<0.098		0.23	0.098	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorononanoic acid (PFNA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorodecanoic acid (PFDA)	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroundecanoic acid (PFUnA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorododecanoic acid (PFDoA)	<0.076		0.23	0.076	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorotridecanoic acid (PFTriA)	<0.058		0.23	0.058	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.062		0.23	0.062	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		0.23	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.029		0.23	0.029	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.035		0.23	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.040		0.23	0.040	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.23		0.57	0.23	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorononanesulfonic acid (PFNS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.044		0.23	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.068		0.23	0.068	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanesulfonamide (FOSA)	<0.094		0.23	0.094	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NEtFOSA	<0.027		0.23	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NMeFOSA	<0.047		0.23	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.3	0.44	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NMeFOSE	<0.081		0.23	0.081	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NEtFOSE	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
4:2 FTS	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
6:2 FTS	<0.17		2.3	0.17	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
8:2 FTS	<0.29		2.3	0.29	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
10:2 FTS	<0.057		0.23	0.057	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
DONA	<0.021		0.23	0.021	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
HFPO-DA (GenX)	<0.13		0.29	0.13	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
F-53B Major	<0.031		0.23	0.031	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
F-53B Minor	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C5 PFPeA	92		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFHxA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C4 PFHpA	94		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C4 PFOA	95		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C5 PFNA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFDA	94		25 - 150	06/30/20 04:43	07/02/20 04:27	1

Eurolins TestAmerica, Sacramento

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-15 (1'-2')**

**Lab Sample ID: 320-62194-3**

**Date Collected: 06/25/20 10:30**

**Matrix: Solid**

**Date Received: 06/26/20 09:30**

**Percent Solids: 86.5**

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFUnA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFDoA	100		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFTeDA	89		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFHxDA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C3 PFBS	75		25 - 150	06/30/20 04:43	07/02/20 04:27	1
18O2 PFHxS	79		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C4 PFOS	77		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C8 FOSA	79		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d3-NMeFOSAA	77		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d5-NEtFOSAA	86		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d-N-MeFOSA-M	45		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d-N-EtFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d7-N-MeFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:27	1
d9-N-EtFOSE-M	7	*5	10 - 120	06/30/20 04:43	07/02/20 04:27	1
M2-4:2 FTS	93		25 - 150	06/30/20 04:43	07/02/20 04:27	1
M2-6:2 FTS	81		25 - 150	06/30/20 04:43	07/02/20 04:27	1
M2-8:2 FTS	73		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C3 HFPO-DA	94		25 - 150	06/30/20 04:43	07/02/20 04:27	1

**General Chemistry**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Percent Moisture</b>	<b>13.5</b>		0.1	0.1	%			07/02/20 14:29	1
<b>Percent Solids</b>	<b>86.5</b>		0.1	0.1	%			07/02/20 14:29	1

# Isotope Dilution Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-62194-1	B-13 (1'-2')	88	95	94	92	92	93	92	91
320-62194-1 MS	B-13 (1'-2')	95	100	98	98	95	95	93	95
320-62194-1 MSD	B-13 (1'-2')	95	99	93	96	93	97	94	93
320-62194-2	B-14 (1'-2')	87	89	92	92	88	91	89	85
320-62194-3	B-15 (1'-2')	92	92	96	94	95	96	94	96
320-62194-4	B-16 (1'-2')	88	89	91	89	90	92	89	89
LCS 320-390751/2-A	Lab Control Sample	100	102	101	100	101	102	99	95
MB 320-390751/1-A	Method Blank	90	95	92	95	94	93	93	96

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)
320-62194-1	B-13 (1'-2')	94	90	95	87	87	82	80	76
320-62194-1 MS	B-13 (1'-2')	103	90	98	87	92	89	88	82
320-62194-1 MSD	B-13 (1'-2')	101	89	91	86	89	85	82	77
320-62194-2	B-14 (1'-2')	89	88	90	81	83	80	78	70
320-62194-3	B-15 (1'-2')	100	89	96	75	79	77	79	77
320-62194-4	B-16 (1'-2')	89	83	89	75	80	71	71	84
LCS 320-390751/2-A	Lab Control Sample	101	96	97	101	110	101	89	79
MB 320-390751/1-A	Method Blank	90	88	97	101	103	95	85	66

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	d5NEFOS (25-150)	dMeFOSA (25-150)	dEtFOSA (25-150)	NMFM (10-120)	NEFM (10-120)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
320-62194-1	B-13 (1'-2')	84	43	43	7 *5	8 *5	76	84	76
320-62194-1 MS	B-13 (1'-2')	82	63	56	9 *5	9 *5	79	87	75
320-62194-1 MSD	B-13 (1'-2')	79	51	48	7 *5	7 *5	83	78	70
320-62194-2	B-14 (1'-2')	79	51	46	6 *5	6 *5	75	79	74
320-62194-3	B-15 (1'-2')	86	45	43	6 *5	7 *5	93	81	73
320-62194-4	B-16 (1'-2')	78	50	48	7 *5	7 *5	109	124	102
LCS 320-390751/2-A	Lab Control Sample	82	38	40	11	10	97	100	88
MB 320-390751/1-A	Method Blank	72	36	37	10	10	93	101	92

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)
320-62194-1	B-13 (1'-2')	92
320-62194-1 MS	B-13 (1'-2')	96
320-62194-1 MSD	B-13 (1'-2')	96
320-62194-2	B-14 (1'-2')	90
320-62194-3	B-15 (1'-2')	94
320-62194-4	B-16 (1'-2')	90
LCS 320-390751/2-A	Lab Control Sample	98
MB 320-390751/1-A	Method Blank	93

#### Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA

# Isotope Dilution Summary

Client: K. Singh & Associates, Inc

Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

PFDA = 13C2 PFDA  
PFUnA = 13C2 PFUnA  
PFDoA = 13C2 PFDoA  
PFTDA = 13C2 PFTeDA  
PFHxDA = 13C2 PFHxDA  
C3PFBS = 13C3 PFBS  
PFHxS = 18O2 PFHxS  
PFOS = 13C4 PFOS  
PFOSA = 13C8 FOSA  
d3NMFOS = d3-NMeFOSAA  
d5NEFOS = d5-NEtFOSAA  
dMeFOSA = d-N-MeFOSA-M  
dEtFOSA = d-N-EtFOSA-M  
NMFm = d7-N-MeFOSE-M  
NEFM = d9-N-EtFOSE-M  
M242FTS = M2-4:2 FTS  
M262FTS = M2-6:2 FTS  
M282FTS = M2-8:2 FTS  
HFPODA = 13C3 HFPO-DA

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# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-390751/1-A**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	0.0326	J	0.20	0.028	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoropentanoic acid (PFPeA)	<0.077		0.20	0.077	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorohexanoic acid (PFHxA)	<0.042		0.20	0.042	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroheptanoic acid (PFHpA)	<0.029		0.20	0.029	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanoic acid (PFOA)	<0.086		0.20	0.086	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorononanoic acid (PFNA)	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorodecanoic acid (PFDA)	<0.022		0.20	0.022	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroundecanoic acid (PFUnA)	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorododecanoic acid (PFDoA)	<0.067		0.20	0.067	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorotridecanoic acid (PFTriA)	<0.051		0.20	0.051	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorotetradecanoic acid (PFTeA)	<0.054		0.20	0.054	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.044		0.20	0.044	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.028		0.20	0.028	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorobutanesulfonic acid (PFBS)	<0.025		0.20	0.025	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoropentanesulfonic acid (PFPeS)	<0.020		0.20	0.020	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.031		0.20	0.031	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.035		0.20	0.035	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanesulfonic acid (PFOS)	0.337	J	0.50	0.20	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorononanesulfonic acid (PFNS)	<0.020		0.20	0.020	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorodecanesulfonic acid (PFDS)	<0.039		0.20	0.039	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorododecanesulfonic acid (PFDoS)	<0.060		0.20	0.060	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanesulfonamide (FOSA)	<0.082		0.20	0.082	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NEtFOSA	<0.024		0.20	0.024	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NMeFOSA	<0.041		0.20	0.041	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.39		2.0	0.39	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.37		2.0	0.37	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NMeFOSE	<0.071		0.20	0.071	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NEtFOSE	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
4:2 FTS	<0.37		2.0	0.37	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
6:2 FTS	<0.15		2.0	0.15	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
8:2 FTS	<0.25		2.0	0.25	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
10:2 FTS	<0.050		0.20	0.050	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
DONA	<0.018		0.20	0.018	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
HFPO-DA (GenX)	<0.11		0.25	0.11	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
F-53B Major	<0.027		0.20	0.027	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
F-53B Minor	<0.022		0.20	0.022	ug/Kg		06/30/20 04:43	07/02/20 03:30	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	90		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C5 PFPeA	95		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFHxA	92		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C4 PFHpA	95		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C4 PFOA	94		25 - 150	06/30/20 04:43	07/02/20 03:30	1

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# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-390751/1-A**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C5 PFNA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFDA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFUnA	96		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFDoA	90		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFTeDA	88		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFHxDA	97		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C3 PFBS	101		25 - 150	06/30/20 04:43	07/02/20 03:30	1
18O2 PFHxS	103		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C4 PFOS	95		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C8 FOSA	85		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d3-NMeFOSAA	66		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d5-NEtFOSAA	72		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d-N-MeFOSA-M	36		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d-N-EtFOSA-M	37		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d7-N-MeFOSE-M	10		10 - 120	06/30/20 04:43	07/02/20 03:30	1
d9-N-EtFOSE-M	10		10 - 120	06/30/20 04:43	07/02/20 03:30	1
M2-4:2 FTS	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
M2-6:2 FTS	101		25 - 150	06/30/20 04:43	07/02/20 03:30	1
M2-8:2 FTS	92		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C3 HFPO-DA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1

**Lab Sample ID: LCS 320-390751/2-A**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	2.00	2.18		ug/Kg		109	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.74		ug/Kg		87	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.77		ug/Kg		88	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.85		ug/Kg		93	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.67		ug/Kg		83	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.82		ug/Kg		91	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.88		ug/Kg		94	67 - 127
Perfluoro-n-hexadecanoic acid (PFHxDA)	2.00	1.81		ug/Kg		90	75 - 135
Perfluoro-n-octadecanoic acid (PFODA)	2.00	1.93		ug/Kg		97	53 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.81		ug/Kg		102	69 - 129
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.96		ug/Kg		104	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122

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# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-390751/2-A**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.92		ug/Kg		101	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.06		ug/Kg		111	68 - 141
Perfluorononanesulfonic acid (PFNS)	1.92	1.89		ug/Kg		99	72 - 132
Perfluorodecanesulfonic acid (PFDS)	1.93	1.97		ug/Kg		102	71 - 131
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.82		ug/Kg		94	70 - 130
Perfluorooctanesulfonamide (FOSA)	2.00	1.98		ug/Kg		99	77 - 137
NMeFOSA	2.00	1.98		ug/Kg		99	63 - 148
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.25		ug/Kg		112	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.17		ug/Kg		108	72 - 132
NMeFOSE	2.00	2.14		ug/Kg		107	43 - 153
NEtFOSE	2.00	2.10		ug/Kg		105	44 - 155
4:2 FTS	1.87	1.90	J	ug/Kg		102	68 - 143
6:2 FTS	1.90	1.90	J	ug/Kg		100	73 - 139
8:2 FTS	1.92	2.09		ug/Kg		109	75 - 135
10:2 FTS	1.93	2.18		ug/Kg		113	69 - 145
DONA	1.88	1.97		ug/Kg		105	79 - 139
HFPO-DA (GenX)	2.00	1.97		ug/Kg		98	53 - 158
F-53B Major	1.86	1.85		ug/Kg		99	74 - 134
F-53B Minor	1.88	1.93		ug/Kg		102	66 - 136

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	100		25 - 150
13C5 PFPeA	102		25 - 150
13C2 PFHxA	101		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	96		25 - 150
13C2 PFHxDA	97		25 - 150
13C3 PFBS	101		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	89		25 - 150
d3-NMeFOSAA	79		25 - 150
d5-NEtFOSAA	82		25 - 150
d-N-MeFOSA-M	38		25 - 150
d-N-EtFOSA-M	40		25 - 150
d7-N-MeFOSE-M	11		10 - 120
d9-N-EtFOSE-M	10		10 - 120
M2-4:2 FTS	97		25 - 150

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-390751/2-A**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	98		25 - 150

**Lab Sample ID: 320-62194-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: B-13 (1'-2')**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

<b>Analyte</b>	<b>Sample Result</b>	<b>Sample Qualifier</b>	<b>Spike Added</b>	<b>MS Result</b>	<b>MS Qualifier</b>	<b>Unit</b>	<b>D</b>	<b>%Rec</b>	<b>Limits</b>
Perfluorobutanoic acid (PFBA)	0.040	J B	2.24	2.56		ug/Kg	☼	113	76 - 136
Perfluoropentanoic acid (PFPeA)	<0.087		2.24	1.86		ug/Kg	☼	83	69 - 129
Perfluorohexanoic acid (PFHxA)	<0.047		2.24	2.17		ug/Kg	☼	97	71 - 131
Perfluoroheptanoic acid (PFHpA)	<0.033		2.24	2.17		ug/Kg	☼	97	71 - 131
Perfluorooctanoic acid (PFOA)	<0.097		2.24	2.13		ug/Kg	☼	95	72 - 132
Perfluorononanoic acid (PFNA)	<0.041		2.24	2.23		ug/Kg	☼	100	73 - 133
Perfluorodecanoic acid (PFDA)	<0.025		2.24	2.24		ug/Kg	☼	100	72 - 132
Perfluoroundecanoic acid (PFUnA)	<0.041		2.24	2.35		ug/Kg	☼	105	66 - 126
Perfluorododecanoic acid (PFDoA)	<0.076		2.24	1.96		ug/Kg	☼	88	71 - 131
Perfluorotridecanoic acid (PFTriA)	<0.057		2.24	2.13		ug/Kg	☼	95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	<0.061		2.24	2.29		ug/Kg	☼	102	67 - 127
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		2.24	2.28		ug/Kg	☼	102	75 - 135
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		2.24	2.43		ug/Kg	☼	109	53 - 130
Perfluorobutanesulfonic acid (PFBS)	<0.028		1.98	2.12		ug/Kg	☼	107	69 - 129
Perfluoropentanesulfonic acid (PFPeS)	<0.023		2.10	2.07		ug/Kg	☼	99	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	<0.035		2.04	1.82		ug/Kg	☼	89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		2.13	2.13		ug/Kg	☼	100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	<0.23		2.08	2.22		ug/Kg	☼	107	68 - 141
Perfluorononanesulfonic acid (PFNS)	<0.023		2.15	1.99		ug/Kg	☼	93	72 - 132
Perfluorodecanesulfonic acid (PFDS)	<0.044		2.16	1.97		ug/Kg	☼	91	71 - 131
Perfluorododecanesulfonic acid (PFDoS)	<0.068		2.17	2.01		ug/Kg	☼	93	70 - 130
Perfluorooctanesulfonamide (FOSA)	<0.092		2.24	2.20		ug/Kg	☼	98	77 - 137
NMeFOSA	<0.046		2.24	2.14		ug/Kg	☼	96	63 - 148
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.24	2.54		ug/Kg	☼	114	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.24	2.56		ug/Kg	☼	114	72 - 132
NMeFOSE	<0.080		2.24	2.24		ug/Kg	☼	100	43 - 153
NEtFOSE	<0.041		2.24	2.06		ug/Kg	☼	92	44 - 155

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: 320-62194-1 MS**

**Matrix: Solid**

**Analysis Batch: 391493**

**Client Sample ID: B-13 (1'-2')**

**Prep Type: Total/NA**

**Prep Batch: 390751**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier		Added	Result				
4:2 FTS	<0.42		2.09	2.19	J	ug/Kg	☼	105	68 - 143
6:2 FTS	<0.17		2.12	2.12	J	ug/Kg	☼	100	73 - 139
8:2 FTS	<0.28		2.14	2.22		ug/Kg	☼	104	75 - 135
10:2 FTS	<0.056		2.16	2.53		ug/Kg	☼	117	69 - 145
DONA	<0.020		2.11	2.44		ug/Kg	☼	116	79 - 139
HFPO-DA (GenX)	<0.12		2.24	2.22		ug/Kg	☼	99	53 - 158
F-53B Major	<0.030		2.08	2.12		ug/Kg	☼	102	74 - 134
F-53B Minor	<0.025		2.11	2.08		ug/Kg	☼	99	66 - 136

Isotope Dilution	MS	MS	Limits
	%Recovery	Qualifier	
13C4 PFBA	95		25 - 150
13C5 PFPeA	100		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	90		25 - 150
13C2 PFHxDA	98		25 - 150
13C3 PFBS	87		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	89		25 - 150
13C8 FOSA	88		25 - 150
d3-NMeFOSAA	82		25 - 150
d5-NEtFOSAA	82		25 - 150
d-N-MeFOSA-M	63		25 - 150
d-N-EtFOSA-M	56		25 - 150
d7-N-MeFOSE-M	9	*5	10 - 120
d9-N-EtFOSE-M	9	*5	10 - 120
M2-4:2 FTS	79		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	75		25 - 150
13C3 HFPO-DA	96		25 - 150

**Lab Sample ID: 320-62194-1 MSD**

**Matrix: Solid**

**Analysis Batch: 391493**

**Client Sample ID: B-13 (1'-2')**

**Prep Type: Total/NA**

**Prep Batch: 390751**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Added	Result						
Perfluorobutanoic acid (PFBA)	0.040	J B	2.26	2.51		ug/Kg	☼	109	76 - 136	2	30
Perfluoropentanoic acid (PFPeA)	<0.087		2.26	1.85		ug/Kg	☼	82	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	<0.047		2.26	2.31		ug/Kg	☼	102	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)	<0.033		2.26	2.25		ug/Kg	☼	99	71 - 131	4	30
Perfluorooctanoic acid (PFOA)	<0.097		2.26	2.13		ug/Kg	☼	94	72 - 132	0	30
Perfluorononanoic acid (PFNA)	<0.041		2.26	2.16		ug/Kg	☼	96	73 - 133	3	30
Perfluorodecanoic acid (PFDA)	<0.025		2.26	2.18		ug/Kg	☼	96	72 - 132	3	30

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: 320-62194-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: B-13 (1'-2')**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	<0.041		2.26	2.27		ug/Kg	☼	100	66 - 126	4	30
Perfluorododecanoic acid (PFDoA)	<0.076		2.26	2.09		ug/Kg	☼	92	71 - 131	6	30
Perfluorotridecanoic acid (PFTriA)	<0.057		2.26	2.08		ug/Kg	☼	92	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)	<0.061		2.26	2.27		ug/Kg	☼	100	67 - 127	1	30
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		2.26	2.23		ug/Kg	☼	99	75 - 135	2	30
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		2.26	2.42		ug/Kg	☼	107	53 - 130	0	30
Perfluorobutanesulfonic acid (PFBS)	<0.028		2.00	2.14		ug/Kg	☼	107	69 - 129	1	30
Perfluoropentanesulfonic acid (PFPeS)	<0.023		2.12	2.22		ug/Kg	☼	104	66 - 126	7	30
Perfluorohexanesulfonic acid (PFHxS)	<0.035		2.06	1.83		ug/Kg	☼	89	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		2.15	2.03		ug/Kg	☼	94	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	<0.23		2.10	2.23		ug/Kg	☼	106	68 - 141	0	30
Perfluorononanesulfonic acid (PFNS)	<0.023		2.17	1.98		ug/Kg	☼	91	72 - 132	1	30
Perfluorodecanesulfonic acid (PFDS)	<0.044		2.18	2.13		ug/Kg	☼	98	71 - 131	8	30
Perfluorododecanesulfonic acid (PFDoS)	<0.068		2.19	2.03		ug/Kg	☼	93	70 - 130	1	30
Perfluorooctanesulfonamide (FOSA)	<0.092		2.26	2.34		ug/Kg	☼	103	77 - 137	6	30
NMeFOSA	<0.046		2.26	2.24		ug/Kg	☼	99	63 - 148	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.26	2.62		ug/Kg	☼	116	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.26	2.59		ug/Kg	☼	114	72 - 132	1	30
NMeFOSE	<0.080		2.26	2.10		ug/Kg	☼	93	43 - 153	6	30
NEtFOSE	<0.041		2.26	2.27		ug/Kg	☼	100	44 - 155	9	30
4:2 FTS	<0.42		2.11	2.12	J	ug/Kg	☼	100	68 - 143	3	30
6:2 FTS	<0.17		2.15	2.22	J	ug/Kg	☼	104	73 - 139	5	30
8:2 FTS	<0.28		2.17	2.29	J	ug/Kg	☼	106	75 - 135	3	30
10:2 FTS	<0.056		2.18	2.71		ug/Kg	☼	124	69 - 145	7	30
DONA	<0.020		2.13	2.59		ug/Kg	☼	121	79 - 139	6	30
HFPO-DA (GenX)	<0.12		2.26	2.31		ug/Kg	☼	102	53 - 158	4	30
F-53B Major	<0.030		2.11	2.22		ug/Kg	☼	105	74 - 134	4	30
F-53B Minor	<0.025		2.13	2.26		ug/Kg	☼	106	66 - 136	8	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	95		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	96		25 - 150
13C4 PFOA	93		25 - 150
13C5 PFNA	97		25 - 150

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: 320-62194-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 391493**

**Client Sample ID: B-13 (1'-2')**  
**Prep Type: Total/NA**  
**Prep Batch: 390751**

<i>Isotope Dilution</i>	<i>MSD %Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>
13C2 PFDA	94		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	89		25 - 150
13C2 PFHxDA	91		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	77		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	51		25 - 150
d-N-EtFOSA-M	48		25 - 150
d7-N-MeFOSE-M	7	*5	10 - 120
d9-N-EtFOSE-M	7	*5	10 - 120
M2-4:2 FTS	83		25 - 150
M2-6:2 FTS	78		25 - 150
M2-8:2 FTS	70		25 - 150
13C3 HFPO-DA	96		25 - 150

## Method: D 2216 - Percent Moisture

**Lab Sample ID: 320-62194-1 DU**  
**Matrix: Solid**  
**Analysis Batch: 391734**

**Client Sample ID: B-13 (1'-2')**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>DU Result</i>	<i>DU Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RPD</i>	<i>RPD Limit</i>
Percent Moisture	12.2		11.9		%		2	20
Percent Solids	87.8		88.1		%		0.3	20

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## LCMS

### Prep Batch: 390751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-2	B-14 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-3	B-15 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-4	B-16 (1'-2')	Total/NA	Solid	SHAKE	
MB 320-390751/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-390751/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
320-62194-1 MS	B-13 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-1 MSD	B-13 (1'-2')	Total/NA	Solid	SHAKE	

### Analysis Batch: 391493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-2	B-14 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-3	B-15 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-4	B-16 (1'-2')	Total/NA	Solid	537 (modified)	390751
MB 320-390751/1-A	Method Blank	Total/NA	Solid	537 (modified)	390751
LCS 320-390751/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	390751
320-62194-1 MS	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-1 MSD	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751

## General Chemistry

### Analysis Batch: 391734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	D 2216	
320-62194-2	B-14 (1'-2')	Total/NA	Solid	D 2216	
320-62194-3	B-15 (1'-2')	Total/NA	Solid	D 2216	
320-62194-4	B-16 (1'-2')	Total/NA	Solid	D 2216	
320-62194-1 DU	B-13 (1'-2')	Total/NA	Solid	D 2216	

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

**Client Sample ID: B-13 (1'-2')**

**Date Collected: 06/25/20 09:15**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

**Client Sample ID: B-13 (1'-2')**

**Date Collected: 06/25/20 09:15**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-1**

**Matrix: Solid**

**Percent Solids: 87.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 03:49	MNV	TAL SAC

**Client Sample ID: B-14 (1'-2')**

**Date Collected: 06/25/20 10:05**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

**Client Sample ID: B-14 (1'-2')**

**Date Collected: 06/25/20 10:05**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-2**

**Matrix: Solid**

**Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 04:17	MNV	TAL SAC

**Client Sample ID: B-15 (1'-2')**

**Date Collected: 06/25/20 10:30**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

**Client Sample ID: B-15 (1'-2')**

**Date Collected: 06/25/20 10:30**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-3**

**Matrix: Solid**

**Percent Solids: 86.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 04:27	MNV	TAL SAC

**Client Sample ID: B-16 (1'-2')**

**Date Collected: 06/25/20 11:10**

**Date Received: 06/26/20 09:30**

**Lab Sample ID: 320-62194-4**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

Eurofins TestAmerica, Sacramento

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

## Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-20-21
ANAB	Dept. of Energy	L2468.01	01-20-21
ANAB	ISO/IEC 17025	L2468	01-20-21
Arizona	State	AZ0708	08-11-20
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-20
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	07-01-21
Georgia	State	4040	01-30-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-17-21
Kansas	NELAP	E-10375	10-31-20
Maine	State	2018009	04-14-22
Michigan	State	9947	01-31-22
Nevada	State	CA000442020-1	07-31-20
New Hampshire	NELAP	2997	04-18-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-20
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442019-01	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-20
Wyoming	State Program	8TMS-L	01-28-19 *

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-62194-1	B-13 (1'-2')	Solid	06/25/20 09:15	06/26/20 09:30	
320-62194-2	B-14 (1'-2')	Solid	06/25/20 10:05	06/26/20 09:30	
320-62194-3	B-15 (1'-2')	Solid	06/25/20 10:30	06/26/20 09:30	
320-62194-4	B-16 (1'-2')	Solid	06/25/20 11:10	06/26/20 09:30	

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Sample Collector(s) Kyle Vander Heiden & Daniel Trekas	Title Staff Geologist	Telephone # (incl. area code) (262) 821-1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner	Property Address 2748 N. 32nd St Milwaukee, WI	Telephone # (incl. area code)	KSingh Project # #40405

I hereby certify that I received, properly, and disposed of the samples as noted below:

Relinquished By (Signature) 	Date/Time 06/25/2020 12:25	Received By (Signature) 	Temperature Blank: If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) 	Date/Time 6-25-20 17:00	Received By (Signature) 	ETA - SAC June 26, 2020 9:30

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.						Sample Condition				
2 Sample description must clearly correlate the sample I.D. to the sampling location						# / Type of Container				
Date Collected	Time Collected	Samples		Location/Description (2)	PFAS - 36	HNO3	HCL	H2SO4	Unpres.	Other Comment
		Type (1)	Device							
6/25/2020	9:15	Soil	Hand Auger	B-13 (1'-2')	x				4oz	
6/25/2020	10:05	Soil	Hand Auger	B-14 (1'-2')	x				4oz	
6/25/2020	10:30	Soil	Hand Auger	B-15 (1'-2')	x				4oz	
6/25/2020	11:10	Soil	Hand Auger	B-16 (1'-2')	x				4oz	



NOTE(S):

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES Disposition of unused portion of sample Laboratory should (check): <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for _____ (days) <input type="checkbox"/> Other	DEPARTMENT USE ONLY Split Samples    Offered <input type="checkbox"/> Y <input type="checkbox"/> N    Accepted By: Accepted <input type="checkbox"/> Y <input type="checkbox"/> N    Signature:
--	---

\* The container's ID lists 9:30 for time. PK 6/26/20

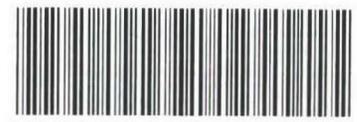


Sample Collector(s) Kyle Vander Heiden & Daniel Trekas	Title Staff Geologist	Telephone # (incl. area code) (262) 821-1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor	Property Address 2748 N. 32nd St Milwaukee,, WI	Telephone # (incl. area code)	KSingh Project # #40405

I hereby certify that I received, properly, and disposed of the samples as noted below:

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 06/25/2020 12:25	Received By (Signature) <i>[Signature]</i>	Temperature Blank: If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 6-25-20 17:00	Received By (Signature) <i>[Signature]</i> ETA - SAC June 26, 20 930	

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.					PFAS - 36	Sample Condition				
2 Sample description must clearly correlate the sample I.D. to the sampling location						# / Type of Container				
Date Collected	Time Collected	Type (1)	Device	Location/Description (2)		HNO3	HCL	H2SO4	Unpres.	Other Comment
6/25/2020	9:15	Soil	Hand Auger	B-13 (1'-2')	x				4oz	
6/25/2020	10:05	Soil	Hand Auger	B-14 (1'-2')	x				4oz	
6/25/2020	10:30	Soil	Hand Auger	B-15 (1'-2')	x				4oz	
6/25/2020	11:10	Soil	Hand Auger	B-16 (1'-2')	x				4oz	



320-62194 Chain of Custody

NOTE(S):

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES		DEPARTMENT USE ONLY	
Disposition of unused portion of sample		Split Samples	
Laboratory should (check):		Offered	Accepted
<input checked="" type="checkbox"/> Dispose	<input type="checkbox"/> Return	<input type="checkbox"/> Y	<input type="checkbox"/> Y
<input type="checkbox"/> Retain for _____ (days)	<input type="checkbox"/> Other	<input type="checkbox"/> N	<input type="checkbox"/> N
		Accepted By: <i>[Signature]</i> PK 6/26/20	Signature: <i>[Signature]</i> June 26, 20 PK 6/26/20

\* The container's ID lists 9:30 for time. PK 6/26/20



## Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 320-62194-1

**Login Number: 62194**

**List Source: Eurofins TestAmerica, Sacramento**

**List Number: 1**

**Creator: Oropeza, Salvador**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1022883
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-195469-1

Client Project/Site: Community Within the Corridor - 40420

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

*Jodie Bracken*

Authorized for release by:  
3/8/2021 11:26:38 AM

Jodie Bracken, Project Management Assistant II  
[Jodie.Bracken@Eurofinset.com](mailto:Jodie.Bracken@Eurofinset.com)

Designee for

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

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## Job ID: 500-195469-1

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### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

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#### Job Narrative 500-195469-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/3/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

#### GC/MS VOA

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: WB-SS-2 (0'-1') (500-195469-1). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike (MS) recovery for 587211 was outside control limits for Benzene. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8082A: Surrogate DCB Decachlorobiphenyl for the following method blank (MB) was above the control limits on the secondary column: (MB 500-587113/1-A). The other surrogate was within limits. The primary column had acceptable surrogate recoveries for both analytes. The MB was non-detect for target analytes, therefore the data have been reported.

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: WB-SS-14 (0'-1') (500-195469-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-SS-14 (0'-1') (500-195469-5).

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-SS-6 (0'-1') (500-195469-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Client Sample ID: WB-SS-2 (0'-1')

Lab Sample ID: 500-195469-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.58		0.065	0.026	mg/Kg	50		✳	8260B	Total/NA
1,4-Dichlorobenzene	5.3		0.065	0.024	mg/Kg	50		✳	8260B	Total/NA
Chlorobenzene	2.1		0.065	0.025	mg/Kg	50		✳	8260B	Total/NA
n-Butylbenzene	0.050	J	0.065	0.025	mg/Kg	50		✳	8260B	Total/NA
sec-Butylbenzene	0.063	J	0.065	0.026	mg/Kg	50		✳	8260B	Total/NA
Tetrachloroethene	0.12		0.065	0.024	mg/Kg	50		✳	8260B	Total/NA
Trichloroethene	0.013	J	0.033	0.011	mg/Kg	50		✳	8260B	Total/NA
1,2-Dichlorobenzene - DL	38		0.65	0.22	mg/Kg	500		✳	8260B	Total/NA

## Client Sample ID: WB-SS-6 (0'-1')

Lab Sample ID: 500-195469-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.064	J	0.065	0.022	mg/Kg	50		✳	8260B	Total/NA
PCB-1254	0.014	J	0.053	0.011	mg/Kg	1		✳	8082A	Total/NA

## Client Sample ID: WB-SS-8 (0'-1')

Lab Sample ID: 500-195469-3

No Detections.

## Client Sample ID: WB-SS-12 (0'-1')

Lab Sample ID: 500-195469-4

No Detections.

## Client Sample ID: WB-SS-14 (0'-1')

Lab Sample ID: 500-195469-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.34		0.060	0.021	mg/Kg	50		✳	8260B	Total/NA
1,3,5-Trimethylbenzene	0.13		0.060	0.023	mg/Kg	50		✳	8260B	Total/NA
Benzene	0.47	F1	0.015	0.0087	mg/Kg	50		✳	8260B	Total/NA
Ethylbenzene	0.18		0.015	0.011	mg/Kg	50		✳	8260B	Total/NA
Naphthalene	0.25		0.060	0.020	mg/Kg	50		✳	8260B	Total/NA
n-Butylbenzene	0.10		0.060	0.023	mg/Kg	50		✳	8260B	Total/NA
N-Propylbenzene	0.050	J	0.060	0.025	mg/Kg	50		✳	8260B	Total/NA
Styrene	0.078		0.060	0.023	mg/Kg	50		✳	8260B	Total/NA
Toluene	0.32		0.015	0.0087	mg/Kg	50		✳	8260B	Total/NA
Xylenes, Total	0.73		0.030	0.013	mg/Kg	50		✳	8260B	Total/NA
PCB-1254	2.7		0.35	0.076	mg/Kg	20		✳	8082A	Total/NA

## Client Sample ID: Trip Blank

Lab Sample ID: 500-195469-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195469-1	WB-SS-2 (0'-1')	Solid	03/01/21 16:20	03/03/21 10:00	
500-195469-2	WB-SS-6 (0'-1')	Solid	03/01/21 16:00	03/03/21 10:00	
500-195469-3	WB-SS-8 (0'-1')	Solid	03/01/21 15:50	03/03/21 10:00	
500-195469-4	WB-SS-12 (0'-1')	Solid	03/01/21 15:25	03/03/21 10:00	
500-195469-5	WB-SS-14 (0'-1')	Solid	03/01/21 15:40	03/03/21 10:00	
500-195469-6	Trip Blank	Solid	03/01/21 00:00	03/03/21 10:00	

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-2 (0'-1')**

**Lab Sample ID: 500-195469-1**

**Date Collected: 03/01/21 16:20**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 86.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloroethane	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2-Dichloroethane	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
<b>1,3-Dichlorobenzene</b>	<b>0.58</b>		0.065	0.026	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
1,3-Dichloropropane	<0.024		0.065	0.024	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
<b>1,4-Dichlorobenzene</b>	<b>5.3</b>		0.065	0.024	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Benzene	<0.0095		0.016	0.0095	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Bromoform	<0.032		0.065	0.032	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
<b>Chlorobenzene</b>	<b>2.1</b>		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
cis-1,2-Dichloroethene	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Dibromomethane	<0.018		0.065	0.018	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Methyl tert-butyl ether	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
<b>n-Butylbenzene</b>	<b>0.050</b>	<b>J</b>	0.065	0.025	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
p-Isopropyltoluene	<0.024		0.065	0.024	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50
<b>sec-Butylbenzene</b>	<b>0.063</b>	<b>J</b>	0.065	0.026	mg/Kg	✱	03/01/21 16:20	03/04/21 12:18	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-2 (0'-1')**

**Lab Sample ID: 500-195469-1**

**Date Collected: 03/01/21 16:20**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 86.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.025		0.065	0.025	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
<b>Tetrachloroethene</b>	<b>0.12</b>		0.065	0.024	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
trans-1,3-Dichloropropene	<0.024		0.065	0.024	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
<b>Trichloroethene</b>	<b>0.013 J</b>		0.033	0.011	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	✧	03/01/21 16:20	03/04/21 12:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		75 - 126	03/01/21 16:20	03/04/21 12:18	50
4-Bromofluorobenzene (Surr)	98		72 - 124	03/01/21 16:20	03/04/21 12:18	50
Dibromofluoromethane (Surr)	89		75 - 120	03/01/21 16:20	03/04/21 12:18	50
Toluene-d8 (Surr)	101		75 - 120	03/01/21 16:20	03/04/21 12:18	50

**Method: 8260B - Volatile Organic Compounds (GC/MS) - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1,2-Dichlorobenzene</b>	<b>38</b>		0.65	0.22	mg/Kg	✧	03/01/21 16:20	03/04/21 12:43	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		75 - 126	03/01/21 16:20	03/04/21 12:43	500
4-Bromofluorobenzene (Surr)	108		72 - 124	03/01/21 16:20	03/04/21 12:43	500
Dibromofluoromethane (Surr)	91		75 - 120	03/01/21 16:20	03/04/21 12:43	500
Toluene-d8 (Surr)	104		75 - 120	03/01/21 16:20	03/04/21 12:43	500

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-6 (0'-1')**

**Lab Sample ID: 500-195469-2**

**Date Collected: 03/01/21 16:00**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 94.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloroethane	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
<b>1,2-Dichlorobenzene</b>	<b>0.064</b>	<b>J</b>	0.065	0.022	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2-Dichloroethane	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,3-Dichloropropane	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Benzene	<0.0095		0.016	0.0095	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Bromoform	<0.031		0.065	0.031	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Bromomethane	<0.052		0.19	0.052	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Dibromomethane	<0.018		0.065	0.018	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Methyl tert-butyl ether	<0.026		0.065	0.026	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Methylene Chloride	<0.11		0.32	0.11	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50
p-Isopropyltoluene	<0.023		0.065	0.023	mg/Kg	✱	03/01/21 16:00	03/04/21 13:08	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-6 (0'-1')**

**Lab Sample ID: 500-195469-2**

**Date Collected: 03/01/21 16:00**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 94.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Styrene	<0.025		0.065	0.025	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
trans-1,3-Dichloropropene	<0.023		0.065	0.023	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Trichloroethene	<0.011		0.032	0.011	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✳	03/01/21 16:00	03/04/21 13:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		75 - 126	03/01/21 16:00	03/04/21 13:08	50
4-Bromofluorobenzene (Surr)	102		72 - 124	03/01/21 16:00	03/04/21 13:08	50
Dibromofluoromethane (Surr)	91		75 - 120	03/01/21 16:00	03/04/21 13:08	50
Toluene-d8 (Surr)	102		75 - 120	03/01/21 16:00	03/04/21 13:08	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.053	0.019	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
PCB-1221	<0.023		0.053	0.023	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
PCB-1232	<0.023		0.053	0.023	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
PCB-1242	<0.017		0.053	0.017	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
PCB-1248	<0.021		0.053	0.021	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
<b>PCB-1254</b>	<b>0.014</b>	<b>J</b>	0.053	0.011	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1
PCB-1260	<0.026		0.053	0.026	mg/Kg	✳	03/04/21 16:43	03/05/21 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		49 - 129	03/04/21 16:43	03/05/21 01:40	1
DCB Decachlorobiphenyl	97		37 - 121	03/04/21 16:43	03/05/21 01:40	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-8 (0'-1')**

**Lab Sample ID: 500-195469-3**

**Date Collected: 03/01/21 15:50**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 89.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1,2-Trichloroethane	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2-Dibromoethane	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichlorobenzene	<0.021		0.061	0.021	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,3-Dichlorobenzene	<0.025		0.061	0.025	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
4-Chlorotoluene	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Bromoform	<0.030		0.061	0.030	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Bromomethane	<0.049		0.18	0.049	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Carbon tetrachloride	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Chlorobenzene	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Chloromethane	<0.020		0.061	0.020	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
cis-1,3-Dichloropropene	<0.026		0.061	0.026	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Dibromomethane	<0.017		0.061	0.017	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Isopropylbenzene	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
Naphthalene	<0.021		0.061	0.021	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	✱	03/01/21 15:50	03/04/21 13:32	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-8 (0'-1')**

**Lab Sample ID: 500-195469-3**

**Date Collected: 03/01/21 15:50**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 89.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Styrene	<0.024		0.061	0.024	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Tetrachloroethene	<0.023		0.061	0.023	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Toluene	<0.0090		0.015	0.0090	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
trans-1,2-Dichloroethene	<0.022		0.061	0.022	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✳	03/01/21 15:50	03/04/21 13:32	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		75 - 126	03/01/21 15:50	03/04/21 13:32	50
4-Bromofluorobenzene (Surr)	102		72 - 124	03/01/21 15:50	03/04/21 13:32	50
Dibromofluoromethane (Surr)	91		75 - 120	03/01/21 15:50	03/04/21 13:32	50
Toluene-d8 (Surr)	100		75 - 120	03/01/21 15:50	03/04/21 13:32	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-12 (0'-1')**

**Lab Sample ID: 500-195469-4**

**Date Collected: 03/01/21 15:25**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 87.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.064	0.029	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1,2-Trichloroethane	<0.022		0.064	0.022	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,3-Dichlorobenzene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Bromoform	<0.031		0.064	0.031	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Carbon tetrachloride	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Isopropylbenzene	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-12 (0'-1')**

**Lab Sample ID: 500-195469-4**

**Date Collected: 03/01/21 15:25**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 87.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Styrene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✱	03/01/21 15:25	03/04/21 19:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		75 - 126	03/01/21 15:25	03/04/21 19:53	50
4-Bromofluorobenzene (Surr)	102		72 - 124	03/01/21 15:25	03/04/21 19:53	50
Dibromofluoromethane (Surr)	91		75 - 120	03/01/21 15:25	03/04/21 19:53	50
Toluene-d8 (Surr)	101		75 - 120	03/01/21 15:25	03/04/21 19:53	50

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-14 (0'-1')**

**Lab Sample ID: 500-195469-5**

**Date Collected: 03/01/21 15:40**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 91.4**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.027		0.060	0.027	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloroethane	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.34</b>		0.060	0.021	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichloroethane	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichloropropane	<0.025		0.060	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>1,3,5-Trimethylbenzene</b>	<b>0.13</b>		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
2,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Benzene</b>	<b>0.47</b>	<b>F1</b>	0.015	0.0087	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Bromochloromethane	<0.025		0.060	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Bromoform	<0.029		0.060	0.029	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Bromomethane	<0.047		0.18	0.047	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Chloroform	<0.022		0.12	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Ethylbenzene</b>	<b>0.18</b>		0.015	0.011	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Isopropyl ether	<0.016		0.060	0.016	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Methyl tert-butyl ether	<0.023		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Methylene Chloride	<0.097		0.30	0.097	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Naphthalene</b>	<b>0.25</b>		0.060	0.020	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>n-Butylbenzene</b>	<b>0.10</b>		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>N-Propylbenzene</b>	<b>0.050</b>	<b>J</b>	0.060	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-14 (0'-1')**

**Lab Sample ID: 500-195469-5**

**Date Collected: 03/01/21 15:40**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 91.4**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Styrene</b>	<b>0.078</b>		0.060	0.023	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Toluene</b>	<b>0.32</b>		0.015	0.0087	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Trichloroethene	<0.0098		0.030	0.0098	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Trichlorofluoromethane	<0.025		0.060	0.025	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50
<b>Xylenes, Total</b>	<b>0.73</b>		0.030	0.013	mg/Kg	✳	03/01/21 15:40	03/04/21 14:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		75 - 126	03/01/21 15:40	03/04/21 14:22	50
4-Bromofluorobenzene (Surr)	105		72 - 124	03/01/21 15:40	03/04/21 14:22	50
Dibromofluoromethane (Surr)	88		75 - 120	03/01/21 15:40	03/04/21 14:22	50
Toluene-d8 (Surr)	103		75 - 120	03/01/21 15:40	03/04/21 14:22	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.12		0.35	0.12	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
PCB-1221	<0.16		0.35	0.16	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
PCB-1232	<0.15		0.35	0.15	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
PCB-1242	<0.12		0.35	0.12	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
PCB-1248	<0.14		0.35	0.14	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
<b>PCB-1254</b>	<b>2.7</b>		0.35	0.076	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20
PCB-1260	<0.17		0.35	0.17	mg/Kg	✳	03/03/21 16:23	03/04/21 07:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	49 - 129	03/03/21 16:23	03/04/21 07:51	20
DCB Decachlorobiphenyl	0	D	37 - 121	03/03/21 16:23	03/04/21 07:51	20

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195469-6**

**Date Collected: 03/01/21 00:00**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195469-6**

**Date Collected: 03/01/21 00:00**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/01/21 00:00	03/04/21 11:53	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		75 - 126	03/01/21 00:00	03/04/21 11:53	50
4-Bromofluorobenzene (Surr)	104		72 - 124	03/01/21 00:00	03/04/21 11:53	50
Dibromofluoromethane (Surr)	91		75 - 120	03/01/21 00:00	03/04/21 11:53	50
Toluene-d8 (Surr)	102		75 - 120	03/01/21 00:00	03/04/21 11:53	50

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## GC/MS VOA

### Prep Batch: 587137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	5035	
500-195469-1 - DL	WB-SS-2 (0'-1')	Total/NA	Solid	5035	
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	5035	
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	5035	
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	5035	
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	5035	
500-195469-6	Trip Blank	Total/NA	Solid	5035	
LB3 500-587137/14-A	Method Blank	Total/NA	Solid	5035	
LCS 500-587137/15-A	Lab Control Sample	Total/NA	Solid	5035	
500-195469-5 MS	WB-SS-14 (0'-1')	Total/NA	Solid	5035	
500-195469-5 MSD	WB-SS-14 (0'-1')	Total/NA	Solid	5035	

### Analysis Batch: 587211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-1 - DL	WB-SS-2 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-6	Trip Blank	Total/NA	Solid	8260B	587137
LB3 500-587137/14-A	Method Blank	Total/NA	Solid	8260B	587137
MB 500-587211/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-587137/15-A	Lab Control Sample	Total/NA	Solid	8260B	587137
LCS 500-587211/4	Lab Control Sample	Total/NA	Solid	8260B	
500-195469-5 MS	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-5 MSD	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137

## GC Semi VOA

### Prep Batch: 587113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	3541	
MB 500-587113/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587113/2-A	Lab Control Sample	Total/NA	Solid	3541	

### Analysis Batch: 587179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	8082A	587113
MB 500-587113/1-A	Method Blank	Total/NA	Solid	8082A	587113
LCS 500-587113/2-A	Lab Control Sample	Total/NA	Solid	8082A	587113

### Prep Batch: 587319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	3541	
MB 500-587319/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587319/2-A	Lab Control Sample	Total/NA	Solid	3541	

### Analysis Batch: 587353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	8082A	587319

Eurofins TestAmerica, Chicago

# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## GC Semi VOA (Continued)

### Analysis Batch: 587353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-587319/1-A	Method Blank	Total/NA	Solid	8082A	587319
LCS 500-587319/2-A	Lab Control Sample	Total/NA	Solid	8082A	587319

## General Chemistry

### Analysis Batch: 587087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	Moisture	
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	Moisture	
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	Moisture	
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	Moisture	
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-195469-1	WB-SS-2 (0'-1')	83	98	89	101
500-195469-1 - DL	WB-SS-2 (0'-1')	83	108	91	104
500-195469-2	WB-SS-6 (0'-1')	85	102	91	102
500-195469-3	WB-SS-8 (0'-1')	84	102	91	100
500-195469-4	WB-SS-12 (0'-1')	81	102	91	101
500-195469-5	WB-SS-14 (0'-1')	85	105	88	103
500-195469-5 MS	WB-SS-14 (0'-1')	81	100	92	101
500-195469-5 MSD	WB-SS-14 (0'-1')	82	100	93	101
500-195469-6	Trip Blank	84	104	91	102
LB3 500-587137/14-A	Method Blank	83	104	91	102
LCS 500-587137/15-A	Lab Control Sample	81	97	91	102
LCS 500-587211/4	Lab Control Sample	81	101	92	103
MB 500-587211/6	Method Blank	85	111	94	103

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (49-129)	DCBP2 (37-121)
500-195469-2	WB-SS-6 (0'-1')	78	97
500-195469-5	WB-SS-14 (0'-1')	0 D	0 D
LCS 500-587113/2-A	Lab Control Sample	94	119
LCS 500-587319/2-A	Lab Control Sample	75	87
MB 500-587113/1-A	Method Blank	97	124 S1+
MB 500-587319/1-A	Method Blank	81	97

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: LB3 500-587137/14-A**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LB3 500-587137/14-A**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/03/21 18:30	03/04/21 11:27	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	83		75 - 126	03/03/21 18:30	03/04/21 11:27	50
4-Bromofluorobenzene (Surr)	104		72 - 124	03/03/21 18:30	03/04/21 11:27	50
Dibromofluoromethane (Surr)	91		75 - 120	03/03/21 18:30	03/04/21 11:27	50
Toluene-d8 (Surr)	102		75 - 120	03/03/21 18:30	03/04/21 11:27	50

**Lab Sample ID: LCS 500-587137/15-A**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.75		mg/Kg		110	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.46		mg/Kg		98	62 - 140
1,1,2-Trichloroethane	2.50	2.54		mg/Kg		102	71 - 130
1,1-Dichloroethane	2.50	2.33		mg/Kg		93	70 - 125
1,1-Dichloroethene	2.50	2.39		mg/Kg		95	67 - 122
1,1-Dichloropropene	2.50	2.70		mg/Kg		108	70 - 121
1,2,3-Trichlorobenzene	2.50	2.51		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	2.50	2.37		mg/Kg		95	50 - 133
1,2,4-Trichlorobenzene	2.50	2.73		mg/Kg		109	57 - 137
1,2,4-Trimethylbenzene	2.50	2.73		mg/Kg		109	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.89		mg/Kg		75	56 - 123
1,2-Dibromoethane	2.50	2.53		mg/Kg		101	70 - 125
1,2-Dichlorobenzene	2.50	2.64		mg/Kg		105	70 - 125
1,2-Dichloroethane	2.50	2.26		mg/Kg		90	68 - 127
1,2-Dichloropropane	2.50	2.43		mg/Kg		97	67 - 130
1,3,5-Trimethylbenzene	2.50	2.77		mg/Kg		111	70 - 123
1,3-Dichlorobenzene	2.50	2.77		mg/Kg		111	70 - 125
1,3-Dichloropropane	2.50	2.57		mg/Kg		103	62 - 136
1,4-Dichlorobenzene	2.50	2.70		mg/Kg		108	70 - 120
2,2-Dichloropropane	2.50	2.70		mg/Kg		108	58 - 139
2-Chlorotoluene	2.50	2.70		mg/Kg		108	70 - 125
4-Chlorotoluene	2.50	2.65		mg/Kg		106	68 - 124
Benzene	2.50	2.59		mg/Kg		104	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-587137/15-A**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.70		mg/Kg		108	70 - 122
Bromochloromethane	2.50	2.67		mg/Kg		107	65 - 122
Bromodichloromethane	2.50	2.39		mg/Kg		96	69 - 120
Bromoform	2.50	2.25		mg/Kg		90	56 - 132
Bromomethane	2.50	1.73		mg/Kg		69	40 - 152
Carbon tetrachloride	2.50	2.44		mg/Kg		98	59 - 133
Chlorobenzene	2.50	2.81		mg/Kg		112	70 - 120
Chloroethane	2.50	2.10		mg/Kg		84	48 - 136
Chloroform	2.50	2.48		mg/Kg		99	70 - 120
Chloromethane	2.50	1.56		mg/Kg		62	56 - 152
cis-1,2-Dichloroethene	2.50	2.63		mg/Kg		105	70 - 125
cis-1,3-Dichloropropene	2.50	2.49		mg/Kg		100	64 - 127
Dibromochloromethane	2.50	2.40		mg/Kg		96	68 - 125
Dibromomethane	2.50	2.41		mg/Kg		97	70 - 120
Dichlorodifluoromethane	2.50	1.37		mg/Kg		55	40 - 159
Ethylbenzene	2.50	2.99		mg/Kg		120	70 - 123
Hexachlorobutadiene	2.50	3.01		mg/Kg		120	51 - 150
Isopropylbenzene	2.50	2.87		mg/Kg		115	70 - 126
Methyl tert-butyl ether	2.50	2.23		mg/Kg		89	55 - 123
Methylene Chloride	2.50	2.43		mg/Kg		97	69 - 125
Naphthalene	2.50	2.40		mg/Kg		96	53 - 144
n-Butylbenzene	2.50	2.88		mg/Kg		115	68 - 125
N-Propylbenzene	2.50	2.78		mg/Kg		111	69 - 127
p-Isopropyltoluene	2.50	2.86		mg/Kg		114	70 - 125
sec-Butylbenzene	2.50	2.87		mg/Kg		115	70 - 123
Styrene	2.50	2.76		mg/Kg		110	70 - 120
tert-Butylbenzene	2.50	2.80		mg/Kg		112	70 - 121
Tetrachloroethene	2.50	3.03		mg/Kg		121	70 - 128
Toluene	2.50	2.78		mg/Kg		111	70 - 125
trans-1,2-Dichloroethene	2.50	2.64		mg/Kg		106	70 - 125
trans-1,3-Dichloropropene	2.50	2.25		mg/Kg		90	62 - 128
Trichloroethene	2.50	2.79		mg/Kg		112	70 - 125
Trichlorofluoromethane	2.50	2.24		mg/Kg		90	55 - 128
Vinyl chloride	2.50	1.96		mg/Kg		78	64 - 126
Xylenes, Total	5.00	5.40		mg/Kg		108	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
Toluene-d8 (Surr)	102		75 - 120

**Lab Sample ID: 500-195469-5 MS**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: WB-SS-14 (0'-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.027		2.98	2.50		mg/Kg	☆	84	70 - 125

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-195469-5 MS

Client Sample ID: WB-SS-14 (0'-1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 587211

Prep Batch: 587137

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result			Result	Qualifier				
1,1,1-Trichloroethane	<0.023		2.98	2.69		mg/Kg	☼	90	70 - 125
1,1,2,2-Tetrachloroethane	<0.024		2.98	2.43		mg/Kg	☼	82	62 - 140
1,1,2-Trichloroethane	<0.021		2.98	2.48		mg/Kg	☼	83	71 - 130
1,1-Dichloroethane	<0.024		2.98	2.28		mg/Kg	☼	77	70 - 125
1,1-Dichloroethene	<0.023		2.98	2.43		mg/Kg	☼	82	67 - 122
1,1-Dichloropropene	<0.018		2.98	2.59		mg/Kg	☼	87	70 - 121
1,2,3-Trichlorobenzene	<0.027		2.98	2.35		mg/Kg	☼	79	51 - 145
1,2,3-Trichloropropane	<0.025		2.98	2.36		mg/Kg	☼	79	50 - 133
1,2,4-Trichlorobenzene	<0.020		2.98	2.46		mg/Kg	☼	83	57 - 137
1,2,4-Trimethylbenzene	0.34		2.98	2.63		mg/Kg	☼	77	70 - 123
1,2-Dibromo-3-Chloropropane	<0.12		2.98	1.87		mg/Kg	☼	63	56 - 123
1,2-Dibromoethane	<0.023		2.98	2.47		mg/Kg	☼	83	70 - 125
1,2-Dichlorobenzene	<0.020		2.98	2.53		mg/Kg	☼	85	70 - 125
1,2-Dichloroethane	<0.023		2.98	2.14		mg/Kg	☼	72	68 - 127
1,2-Dichloropropane	<0.025		2.98	2.30		mg/Kg	☼	77	67 - 130
1,3,5-Trimethylbenzene	0.13		2.98	2.69		mg/Kg	☼	86	70 - 123
1,3-Dichlorobenzene	<0.024		2.98	2.66		mg/Kg	☼	89	70 - 125
1,3-Dichloropropane	<0.022		2.98	2.46		mg/Kg	☼	83	62 - 136
1,4-Dichlorobenzene	<0.022		2.98	2.60		mg/Kg	☼	87	70 - 120
2,2-Dichloropropane	<0.026		2.98	2.76		mg/Kg	☼	93	58 - 139
2-Chlorotoluene	<0.019		2.98	2.62		mg/Kg	☼	88	70 - 125
4-Chlorotoluene	<0.021		2.98	2.57		mg/Kg	☼	86	68 - 124
Benzene	0.47	F1	2.98	2.49	F1	mg/Kg	☼	68	70 - 120
Bromobenzene	<0.021		2.98	2.66		mg/Kg	☼	89	70 - 122
Bromochloromethane	<0.025		2.98	2.60		mg/Kg	☼	88	65 - 122
Bromodichloromethane	<0.022		2.98	2.29		mg/Kg	☼	77	69 - 120
Bromoform	<0.029		2.98	2.24		mg/Kg	☼	75	56 - 132
Bromomethane	<0.047		2.98	2.64		mg/Kg	☼	89	40 - 152
Carbon tetrachloride	<0.023		2.98	2.40		mg/Kg	☼	81	59 - 133
Chlorobenzene	<0.023		2.98	2.65		mg/Kg	☼	89	70 - 120
Chloroethane	<0.030		2.98	2.27		mg/Kg	☼	76	48 - 136
Chloroform	<0.022		2.98	2.38		mg/Kg	☼	80	70 - 120
Chloromethane	<0.019		2.98	1.75		mg/Kg	☼	59	56 - 152
cis-1,2-Dichloroethene	<0.024		2.98	2.51		mg/Kg	☼	84	70 - 125
cis-1,3-Dichloropropene	<0.025		2.98	2.37		mg/Kg	☼	80	64 - 127
Dibromochloromethane	<0.029		2.98	2.37		mg/Kg	☼	80	68 - 125
Dibromomethane	<0.016		2.98	2.36		mg/Kg	☼	79	70 - 120
Dichlorodifluoromethane	<0.040		2.98	1.84		mg/Kg	☼	62	40 - 159
Ethylbenzene	0.18		2.98	2.83		mg/Kg	☼	89	70 - 123
Hexachlorobutadiene	<0.027		2.98	2.62		mg/Kg	☼	88	51 - 150
Isopropylbenzene	<0.023		2.98	2.80		mg/Kg	☼	94	70 - 126
Methyl tert-butyl ether	<0.023		2.98	2.15		mg/Kg	☼	72	55 - 123
Methylene Chloride	<0.097		2.98	2.36		mg/Kg	☼	79	69 - 125
Naphthalene	0.25		2.98	2.24		mg/Kg	☼	67	53 - 144
n-Butylbenzene	0.10		2.98	2.72		mg/Kg	☼	88	68 - 125
N-Propylbenzene	0.050	J	2.98	2.70		mg/Kg	☼	89	69 - 127
p-Isopropyltoluene	<0.022		2.98	2.76		mg/Kg	☼	93	70 - 125
sec-Butylbenzene	<0.024		2.98	2.77		mg/Kg	☼	93	70 - 123
Styrene	0.078		2.98	2.62		mg/Kg	☼	85	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-195469-5 MS**

**Matrix: Solid**

**Analysis Batch: 587211**

**Client Sample ID: WB-SS-14 (0'-1')**

**Prep Type: Total/NA**

**Prep Batch: 587137**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
tert-Butylbenzene	<0.024		2.98	2.71		mg/Kg	☼	91	70 - 121	
Tetrachloroethene	<0.022		2.98	2.88		mg/Kg	☼	97	70 - 128	
Toluene	0.32		2.98	2.63		mg/Kg	☼	78	70 - 125	
trans-1,2-Dichloroethene	<0.021		2.98	2.58		mg/Kg	☼	87	70 - 125	
trans-1,3-Dichloropropene	<0.022		2.98	2.19		mg/Kg	☼	73	62 - 128	
Trichloroethene	<0.0098		2.98	2.69		mg/Kg	☼	91	70 - 125	
Trichlorofluoromethane	<0.025		2.98	2.25		mg/Kg	☼	76	55 - 128	
Vinyl chloride	<0.016		2.98	2.11		mg/Kg	☼	71	64 - 126	
Xylenes, Total	0.73		5.95	5.11		mg/Kg	☼	74	70 - 125	
		<b>MS</b>	<b>MS</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1,2-Dichloroethane-d4 (Surr)	81		75 - 126							
4-Bromofluorobenzene (Surr)	100		72 - 124							
Dibromofluoromethane (Surr)	92		75 - 120							
Toluene-d8 (Surr)	101		75 - 120							

**Lab Sample ID: 500-195469-5 MSD**

**Matrix: Solid**

**Analysis Batch: 587211**

**Client Sample ID: WB-SS-14 (0'-1')**

**Prep Type: Total/NA**

**Prep Batch: 587137**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.027		2.98	2.60		mg/Kg	☼	87	70 - 125	4	30	
1,1,1-Trichloroethane	<0.023		2.98	2.77		mg/Kg	☼	93	70 - 125	3	30	
1,1,1,2-Tetrachloroethane	<0.024		2.98	2.53		mg/Kg	☼	85	62 - 140	4	30	
1,1,2-Trichloroethane	<0.021		2.98	2.53		mg/Kg	☼	85	71 - 130	2	30	
1,1-Dichloroethane	<0.024		2.98	2.34		mg/Kg	☼	79	70 - 125	3	30	
1,1-Dichloroethene	<0.023		2.98	2.48		mg/Kg	☼	83	67 - 122	2	30	
1,1-Dichloropropene	<0.018		2.98	2.67		mg/Kg	☼	90	70 - 121	3	30	
1,2,3-Trichlorobenzene	<0.027		2.98	2.32		mg/Kg	☼	78	51 - 145	1	30	
1,2,3-Trichloropropane	<0.025		2.98	2.46		mg/Kg	☼	83	50 - 133	4	30	
1,2,4-Trichlorobenzene	<0.020		2.98	2.45		mg/Kg	☼	82	57 - 137	0	30	
1,2,4-Trimethylbenzene	0.34		2.98	2.74		mg/Kg	☼	80	70 - 123	4	30	
1,2-Dibromo-3-Chloropropane	<0.12		2.98	1.87		mg/Kg	☼	63	56 - 123	0	30	
1,2-Dibromoethane	<0.023		2.98	2.53		mg/Kg	☼	85	70 - 125	3	30	
1,2-Dichlorobenzene	<0.020		2.98	2.65		mg/Kg	☼	89	70 - 125	5	30	
1,2-Dichloroethane	<0.023		2.98	2.20		mg/Kg	☼	74	68 - 127	3	30	
1,2-Dichloropropane	<0.025		2.98	2.34		mg/Kg	☼	79	67 - 130	2	30	
1,3,5-Trimethylbenzene	0.13		2.98	2.76		mg/Kg	☼	88	70 - 123	3	30	
1,3-Dichlorobenzene	<0.024		2.98	2.77		mg/Kg	☼	93	70 - 125	4	30	
1,3-Dichloropropane	<0.022		2.98	2.51		mg/Kg	☼	84	62 - 136	2	30	
1,4-Dichlorobenzene	<0.022		2.98	2.71		mg/Kg	☼	91	70 - 120	4	30	
2,2-Dichloropropane	<0.026		2.98	2.94		mg/Kg	☼	99	58 - 139	6	30	
2-Chlorotoluene	<0.019		2.98	2.73		mg/Kg	☼	92	70 - 125	4	30	
4-Chlorotoluene	<0.021		2.98	2.66		mg/Kg	☼	89	68 - 124	3	30	
Benzene	0.47	F1	2.98	2.56		mg/Kg	☼	70	70 - 120	3	30	
Bromobenzene	<0.021		2.98	2.73		mg/Kg	☼	92	70 - 122	3	30	
Bromochloromethane	<0.025		2.98	2.71		mg/Kg	☼	91	65 - 122	4	30	
Bromodichloromethane	<0.022		2.98	2.40		mg/Kg	☼	81	69 - 120	5	30	

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-195469-5 MSD**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: WB-SS-14 (0'-1')**  
**Prep Type: Total/NA**  
**Prep Batch: 587137**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Bromoform	<0.029		2.98	2.36		mg/Kg	☼	79	56 - 132	5	30
Bromomethane	<0.047		2.98	2.80		mg/Kg	☼	94	40 - 152	6	30
Carbon tetrachloride	<0.023		2.98	2.47		mg/Kg	☼	83	59 - 133	3	30
Chlorobenzene	<0.023		2.98	2.76		mg/Kg	☼	93	70 - 120	4	30
Chloroethane	<0.030		2.98	2.39		mg/Kg	☼	80	48 - 136	5	30
Chloroform	<0.022		2.98	2.45		mg/Kg	☼	82	70 - 120	3	30
Chloromethane	<0.019		2.98	1.85		mg/Kg	☼	62	56 - 152	6	30
cis-1,2-Dichloroethene	<0.024		2.98	2.63		mg/Kg	☼	88	70 - 125	4	30
cis-1,3-Dichloropropene	<0.025		2.98	2.48		mg/Kg	☼	83	64 - 127	4	30
Dibromochloromethane	<0.029		2.98	2.48		mg/Kg	☼	83	68 - 125	5	30
Dibromomethane	<0.016		2.98	2.45		mg/Kg	☼	82	70 - 120	4	30
Dichlorodifluoromethane	<0.040		2.98	1.92		mg/Kg	☼	65	40 - 159	4	30
Ethylbenzene	0.18		2.98	2.93		mg/Kg	☼	92	70 - 123	3	30
Hexachlorobutadiene	<0.027		2.98	2.61		mg/Kg	☼	88	51 - 150	1	30
Isopropylbenzene	<0.023		2.98	2.90		mg/Kg	☼	98	70 - 126	4	30
Methyl tert-butyl ether	<0.023		2.98	2.27		mg/Kg	☼	76	55 - 123	5	30
Methylene Chloride	<0.097		2.98	2.49		mg/Kg	☼	84	69 - 125	5	30
Naphthalene	0.25		2.98	2.23		mg/Kg	☼	67	53 - 144	0	30
n-Butylbenzene	0.10		2.98	2.75		mg/Kg	☼	89	68 - 125	1	30
N-Propylbenzene	0.050	J	2.98	2.80		mg/Kg	☼	92	69 - 127	4	30
p-Isopropyltoluene	<0.022		2.98	2.84		mg/Kg	☼	95	70 - 125	3	30
sec-Butylbenzene	<0.024		2.98	2.84		mg/Kg	☼	95	70 - 123	2	30
Styrene	0.078		2.98	2.69		mg/Kg	☼	88	70 - 120	3	30
tert-Butylbenzene	<0.024		2.98	2.81		mg/Kg	☼	94	70 - 121	3	30
Tetrachloroethene	<0.022		2.98	2.96		mg/Kg	☼	100	70 - 128	3	30
Toluene	0.32		2.98	2.71		mg/Kg	☼	80	70 - 125	3	30
trans-1,2-Dichloroethene	<0.021		2.98	2.68		mg/Kg	☼	90	70 - 125	4	30
trans-1,3-Dichloropropene	<0.022		2.98	2.28		mg/Kg	☼	77	62 - 128	4	30
Trichloroethene	<0.0098		2.98	2.77		mg/Kg	☼	93	70 - 125	3	30
Trichlorofluoromethane	<0.025		2.98	2.39		mg/Kg	☼	80	55 - 128	6	30
Vinyl chloride	<0.016		2.98	2.25		mg/Kg	☼	76	64 - 126	6	30
Xylenes, Total	0.73		5.95	5.29		mg/Kg	☼	77	70 - 125	3	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	93		75 - 120
Toluene-d8 (Surr)	101		75 - 120

**Lab Sample ID: MB 500-587211/6**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/04/21 11:02	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587211/6**

**Matrix: Solid**

**Analysis Batch: 587211**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/04/21 11:02	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/04/21 11:02	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/04/21 11:02	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/04/21 11:02	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/04/21 11:02	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/04/21 11:02	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/04/21 11:02	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/04/21 11:02	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/04/21 11:02	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/04/21 11:02	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/04/21 11:02	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/04/21 11:02	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/04/21 11:02	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/04/21 11:02	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/04/21 11:02	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/04/21 11:02	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/04/21 11:02	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/04/21 11:02	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/04/21 11:02	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/04/21 11:02	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/04/21 11:02	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/04/21 11:02	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/04/21 11:02	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/04/21 11:02	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/04/21 11:02	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587211/6**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/04/21 11:02	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/04/21 11:02	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/04/21 11:02	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/04/21 11:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	85		75 - 126		03/04/21 11:02	1
4-Bromofluorobenzene (Surr)	111		72 - 124		03/04/21 11:02	1
Dibromofluoromethane (Surr)	94		75 - 120		03/04/21 11:02	1
Toluene-d8 (Surr)	103		75 - 120		03/04/21 11:02	1

**Lab Sample ID: LCS 500-587211/4**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0443		mg/Kg		89	62 - 140
1,1,2-Trichloroethane	0.0500	0.0442		mg/Kg		88	71 - 130
1,1-Dichloroethane	0.0500	0.0400		mg/Kg		80	70 - 125
1,1-Dichloroethene	0.0500	0.0429		mg/Kg		86	67 - 122
1,1-Dichloropropene	0.0500	0.0459		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0401		mg/Kg		80	51 - 145
1,2,3-Trichloropropane	0.0500	0.0439		mg/Kg		88	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0425		mg/Kg		85	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0476		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0345		mg/Kg		69	56 - 123
1,2-Dibromoethane	0.0500	0.0442		mg/Kg		88	70 - 125
1,2-Dichlorobenzene	0.0500	0.0458		mg/Kg		92	70 - 125
1,2-Dichloroethane	0.0500	0.0387		mg/Kg		77	68 - 127
1,2-Dichloropropane	0.0500	0.0418		mg/Kg		84	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0485		mg/Kg		97	70 - 123
1,3-Dichlorobenzene	0.0500	0.0486		mg/Kg		97	70 - 125
1,3-Dichloropropane	0.0500	0.0440		mg/Kg		88	62 - 136
1,4-Dichlorobenzene	0.0500	0.0473		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0497		mg/Kg		99	58 - 139
2-Chlorotoluene	0.0500	0.0476		mg/Kg		95	70 - 125
4-Chlorotoluene	0.0500	0.0467		mg/Kg		93	68 - 124
Benzene	0.0500	0.0444		mg/Kg		89	70 - 120
Bromobenzene	0.0500	0.0484		mg/Kg		97	70 - 122
Bromochloromethane	0.0500	0.0460		mg/Kg		92	65 - 122
Bromodichloromethane	0.0500	0.0429		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0433		mg/Kg		87	56 - 132
Bromomethane	0.0500	0.0477		mg/Kg		95	40 - 152

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-587211/4**  
**Matrix: Solid**  
**Analysis Batch: 587211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0435		mg/Kg		87	59 - 133
Chlorobenzene	0.0500	0.0485		mg/Kg		97	70 - 120
Chloroethane	0.0500	0.0405		mg/Kg		81	48 - 136
Chloroform	0.0500	0.0425		mg/Kg		85	70 - 120
Chloromethane	0.0500	0.0315		mg/Kg		63	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0456		mg/Kg		91	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0438		mg/Kg		88	64 - 127
Dibromochloromethane	0.0500	0.0448		mg/Kg		90	68 - 125
Dibromomethane	0.0500	0.0423		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0341		mg/Kg		68	40 - 159
Ethylbenzene	0.0500	0.0511		mg/Kg		102	70 - 123
Hexachlorobutadiene	0.0500	0.0440		mg/Kg		88	51 - 150
Isopropylbenzene	0.0500	0.0505		mg/Kg		101	70 - 126
Methyl tert-butyl ether	0.0500	0.0381		mg/Kg		76	55 - 123
Methylene Chloride	0.0500	0.0420		mg/Kg		84	69 - 125
Naphthalene	0.0500	0.0378		mg/Kg		76	53 - 144
n-Butylbenzene	0.0500	0.0477		mg/Kg		95	68 - 125
N-Propylbenzene	0.0500	0.0484		mg/Kg		97	69 - 127
p-Isopropyltoluene	0.0500	0.0490		mg/Kg		98	70 - 125
sec-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 123
Styrene	0.0500	0.0472		mg/Kg		94	70 - 120
tert-Butylbenzene	0.0500	0.0491		mg/Kg		98	70 - 121
Tetrachloroethene	0.0500	0.0517		mg/Kg		103	70 - 128
Toluene	0.0500	0.0474		mg/Kg		95	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0404		mg/Kg		81	62 - 128
Trichloroethene	0.0500	0.0480		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0405		mg/Kg		81	55 - 128
Vinyl chloride	0.0500	0.0382		mg/Kg		76	64 - 126
Xylenes, Total	0.100	0.0919		mg/Kg		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	92		75 - 120
Toluene-d8 (Surr)	103		75 - 120

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-587113/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587179**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587113**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/03/21 16:23	03/04/21 02:43	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 500-587113/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587179**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587113**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
Tetrachloro-m-xylene	97		49 - 129			03/03/21 16:23	03/04/21 02:43	1	
DCB Decachlorobiphenyl	124	S1+	37 - 121			03/03/21 16:23	03/04/21 02:43	1	

**Lab Sample ID: LCS 500-587113/2-A**  
**Matrix: Solid**  
**Analysis Batch: 587179**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587113**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	0.167	0.157		mg/Kg		94	57 - 120
PCB-1260	0.167	0.168		mg/Kg		101	61 - 125
Surrogate	LCS LCS		Limits			%Rec	Limits
	%Recovery	Qualifier					
Tetrachloro-m-xylene	94		49 - 129				
DCB Decachlorobiphenyl	119		37 - 121				

**Lab Sample ID: MB 500-587319/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587353**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587319**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
Tetrachloro-m-xylene	81		49 - 129			03/04/21 16:43	03/04/21 21:49	1	
DCB Decachlorobiphenyl	97		37 - 121			03/04/21 16:43	03/04/21 21:49	1	

**Lab Sample ID: LCS 500-587319/2-A**  
**Matrix: Solid**  
**Analysis Batch: 587353**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587319**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	0.167	0.123		mg/Kg		74	57 - 120
PCB-1260	0.167	0.130		mg/Kg		78	61 - 125
Surrogate	LCS LCS		Limits			%Rec	Limits
	%Recovery	Qualifier					
Tetrachloro-m-xylene	75		49 - 129				
DCB Decachlorobiphenyl	87		37 - 121				

Eurofins TestAmerica, Chicago

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-2 (0'-1')**

**Date Collected: 03/01/21 16:20**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

**Client Sample ID: WB-SS-2 (0'-1')**

**Date Collected: 03/01/21 16:20**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-1**

**Matrix: Solid**

**Percent Solids: 86.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 12:18	EMA	TAL CHI
Total/NA	Prep	5035	DL		587137	03/01/21 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	587211	03/04/21 12:43	EMA	TAL CHI

**Client Sample ID: WB-SS-6 (0'-1')**

**Date Collected: 03/01/21 16:00**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

**Client Sample ID: WB-SS-6 (0'-1')**

**Date Collected: 03/01/21 16:00**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-2**

**Matrix: Solid**

**Percent Solids: 94.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 16:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 13:08	EMA	TAL CHI
Total/NA	Prep	3541			587319	03/04/21 16:43	ACK	TAL CHI
Total/NA	Analysis	8082A		1	587353	03/05/21 01:40	SS	TAL CHI

**Client Sample ID: WB-SS-8 (0'-1')**

**Date Collected: 03/01/21 15:50**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

**Client Sample ID: WB-SS-8 (0'-1')**

**Date Collected: 03/01/21 15:50**

**Date Received: 03/03/21 10:00**

**Lab Sample ID: 500-195469-3**

**Matrix: Solid**

**Percent Solids: 89.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 13:32	EMA	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

**Client Sample ID: WB-SS-12 (0'-1')**

**Lab Sample ID: 500-195469-4**

**Date Collected: 03/01/21 15:25**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

**Client Sample ID: WB-SS-12 (0'-1')**

**Lab Sample ID: 500-195469-4**

**Date Collected: 03/01/21 15:25**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 87.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 19:53	EMA	TAL CHI

**Client Sample ID: WB-SS-14 (0'-1')**

**Lab Sample ID: 500-195469-5**

**Date Collected: 03/01/21 15:40**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

**Client Sample ID: WB-SS-14 (0'-1')**

**Lab Sample ID: 500-195469-5**

**Date Collected: 03/01/21 15:40**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

**Percent Solids: 91.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 14:22	EMA	TAL CHI
Total/NA	Prep	3541			587113	03/03/21 16:23	JP1	TAL CHI
Total/NA	Analysis	8082A		20	587179	03/04/21 07:51	SS	TAL CHI

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-195469-6**

**Date Collected: 03/01/21 00:00**

**Matrix: Solid**

**Date Received: 03/03/21 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 11:53	EMA	TAL CHI

**Laboratory References:**

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

## Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

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500-195469

Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	500-195469 COC	Telephone # (incl area code) (262) 821-1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor Limited Partnership	Property Address 2748 N 32nd Street Milwaukee WI 53208		Telephone # (incl area code) N/A	KSingh Project # 40420

I hereby certify that I received properly and disposed of the samples as noted below

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3/2/21 @ 0900	Received By (Signature) <i>[Signature]</i>	Temperature Blank If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-2-21 17.00	Received By (Signature) Stephanie Hernandez	ETA-CHI 3/3/21 1000

1 Specify groundwater (GW), soil (S) air (A) sludge (SL), surface water (SW) etc												Sample Condition Temp: 1.1							
2 Sample description must clearly correlate the sample I D to the sampling location												# / Type of Container				Other Comment			
Date Collected	Time Collected	Samples		Location/Description (2)	8260B VOC	PCBs									MeOH	--	--	Unpres	Other Comment
		Type (1)	Device																
3/1/2021	1620	S	Auger	WB-SS-2 (0'-1')	X										1			1	
3/1/2021	1600	S	Auger	WB-SS-6 (0'-1')	X	X									1			2	
3/1/2021	1550	S	Auger	WB-SS-8 (0'-1')	X										1			1	
3/1/2021	1525	S	Auger	WB-SS-12 (0'-1')	X										1			1	
3/1/2021	1540	S	Auger	WB-SS-14 (0'-1')	X	X									1			2	
---	---	---	---	Trp Blank	X										1			0	

NOTE(S) 5-day turn requested

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES		DEPARTMENT USE ONLY	
Disposition of unused portion of sample Laboratory should (check)		Split Samples	
<input type="checkbox"/> Dispose	<input type="checkbox"/> Return	<input type="checkbox"/> Retain for (days)	<input type="checkbox"/> Other
		Offered <input type="checkbox"/> Y <input type="checkbox"/> N	Accepted By
		Accepted <input type="checkbox"/> Y <input type="checkbox"/> N	Signature



# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-195469-1

**Login Number: 195469**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Hernandez, Stephanie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-197099-1

Client Project/Site: Community Within the Corridor - 40443

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke



*Authorized for release by:  
4/15/2021 3:16:34 PM*

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

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results through  
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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Job ID: 500-197099-1

### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

#### Job Narrative 500-197099-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 4/6/2021 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

#### GC/MS VOA

Method 8260B: Methylene chloride was detected in the following samples: WB-Int-15 (0.5'-1.5') (500-197099-7), WB-Int-16 (0.5'-1.5') (500-197099-8), WB-Int-17 (0.5'-1.5') (500-197099-9), WB-Int-1 (0.5'-1.5') (500-197099-10), WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-3 (0.5'-1.5') (500-197099-12), WB-Int-4 (0.5'-1.5') (500-197099-13), WB-Int-5 (0.5'-1.5') (500-197099-14), WB-Int-6 (0.5'-1.5') (500-197099-15), WB-Int-7 (0.5'-1.5') (500-197099-16), WB-Int-8 (0.5'-1.5') (500-197099-17) and TB (500-197099-18). The method blank associated with these samples also had a small hit for Methylene chloride. Methylene chloride is a known lab contaminant; therefore all low level detects for this compound (less than 3 times the reporting limit) could be suspected as lab contamination.

Method 8260B: The matrix spike duplicate (MSD) for the following sample was analyzed outside the 12 hour tune window. No further action was taken. WB-Int-14 (0.5'-1.5') (500-197099-6)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1016: WB-Int-13 (0.5'-1.5') (500-197099-5).

Method 8082A: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-14 (0.5'-1.5') (500-197099-6), WB-Int-17 (0.5'-1.5') (500-197099-9) and WB-Int-1 (0.5'-1.5') (500-197099-10). The samples have been quantified and reported as PCB-1248. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-4 (0.5'-1.5') (500-197099-13) and WB-Int-5 (0.5'-1.5') (500-197099-14). The sample has been quantified and reported as PCB-1254. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-16 (0.5'-1.5') (500-197099-8). The sample has been quantified and reported as PCB-1260. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The %RPD between the primary and confirmation column exceeded 40% for PCB-1254 for the following samples: WB-Int-2 (0.5'-1.5') (500-197099-11) and WB-Int-5 (0.5'-1.5') (500-197099-14). The <CHOOSE\_ONE> lower / higher values has been reported and qualified in accordance with the laboratory's SOP.

Method 8082A: The following samples were reported from the primary column due to PCB-1016 and PCB-1260 recovering outside control limits for the continuing calibration verification (CCVIS) on the secondary column; therefore, the higher of the two results have been reported.

WB-Int-13 (0.5'-1.5') (500-197099-5), WB-Int-14 (0.5'-1.5') (500-197099-6), WB-Int-16 (0.5'-1.5') (500-197099-8), WB-Int-17 (0.5'-1.5') (500-197099-9), WB-Int-1 (0.5'-1.5') (500-197099-10), WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-3 (0.5'-1.5') (500-197099-12), WB-Int-4 (0.5'-1.5') (500-197099-13), WB-Int-5 (0.5'-1.5') (500-197099-14) and (CCVIS 500-592199/1)

# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

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## Job ID: 500-197099-1 (Continued)

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### Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following matrix spike (MS) was outside control limits: WB-Int-9 (0.5'-1.5') (500-197099-1) and (500-197099-C-1-B MS). The other surrogate was within limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Client Sample ID: WB-Int-9 (0.5'-1.5')

Lab Sample ID: 500-197099-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.025		0.019	0.0074	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-10 (0.5'-1.5')

Lab Sample ID: 500-197099-2

No Detections.

## Client Sample ID: WB-Int-11 (0.5'-1.5')

Lab Sample ID: 500-197099-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.031	J	0.032	0.010	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: WB-Int-12 (0.5'-1.5')

Lab Sample ID: 500-197099-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.0059	J	0.019	0.0041	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-13 (0.5'-1.5')

Lab Sample ID: 500-197099-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.19		0.019	0.0076	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-14 (0.5'-1.5')

Lab Sample ID: 500-197099-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.20		0.017	0.0069	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-15 (0.5'-1.5')

Lab Sample ID: 500-197099-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.31	0.10	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: WB-Int-16 (0.5'-1.5')

Lab Sample ID: 500-197099-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.31	0.10	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.024	J	0.063	0.021	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.028	J	0.031	0.014	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.49		0.19	0.042	mg/Kg	10	✳	8082A	Total/NA

## Client Sample ID: WB-Int-17 (0.5'-1.5')

Lab Sample ID: 500-197099-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.33	0.11	mg/Kg	50	✳	8260B	Total/NA
PCB-1248	0.35		0.095	0.037	mg/Kg	5	✳	8082A	Total/NA

## Client Sample ID: WB-Int-1 (0.5'-1.5')

Lab Sample ID: 500-197099-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.32	0.10	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.028		0.016	0.0093	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.17		0.019	0.0041	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-2 (0.5'-1.5')

Lab Sample ID: 500-197099-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.62	B	0.31	0.10	mg/Kg	50	✳	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Client Sample ID: WB-Int-2 (0.5'-1.5') (Continued)

Lab Sample ID: 500-197099-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.083		0.018	0.0040	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-3 (0.5'-1.5')

Lab Sample ID: 500-197099-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.65	B	0.33	0.11	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.023		0.019	0.0041	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-4 (0.5'-1.5')

Lab Sample ID: 500-197099-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.60	B	0.31	0.10	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.051		0.019	0.0040	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-5 (0.5'-1.5')

Lab Sample ID: 500-197099-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.61	B	0.33	0.11	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.0084	J	0.019	0.0041	mg/Kg	1	✳	8082A	Total/NA

## Client Sample ID: WB-Int-6 (0.5'-1.5')

Lab Sample ID: 500-197099-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.58	B	0.31	0.10	mg/Kg	50	✳	8260B	Total/NA
Tetrachloroethene	0.31		0.062	0.023	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: WB-Int-7 (0.5'-1.5')

Lab Sample ID: 500-197099-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.57	B	0.30	0.099	mg/Kg	50	✳	8260B	Total/NA
Tetrachloroethene	3.0		0.061	0.023	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.021	J	0.030	0.010	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: WB-Int-8 (0.5'-1.5')

Lab Sample ID: 500-197099-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.57	B	0.30	0.097	mg/Kg	50	✳	8260B	Total/NA

## Client Sample ID: TB

Lab Sample ID: 500-197099-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.16	J B	0.25	0.082	mg/Kg	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins TestAmerica, Chicago

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197099-1	WB-Int-9 (0.5'-1.5')	Solid	04/02/21 14:40	04/06/21 08:40	
500-197099-2	WB-Int-10 (0.5'-1.5')	Solid	04/02/21 11:40	04/06/21 08:40	
500-197099-3	WB-Int-11 (0.5'-1.5')	Solid	04/02/21 12:25	04/06/21 08:40	
500-197099-4	WB-Int-12 (0.5'-1.5')	Solid	04/02/21 12:55	04/06/21 08:40	
500-197099-5	WB-Int-13 (0.5'-1.5')	Solid	04/02/21 13:05	04/06/21 08:40	
500-197099-6	WB-Int-14 (0.5'-1.5')	Solid	04/02/21 13:15	04/06/21 08:40	
500-197099-7	WB-Int-15 (0.5'-1.5')	Solid	04/02/21 13:25	04/06/21 08:40	
500-197099-8	WB-Int-16 (0.5'-1.5')	Solid	04/02/21 13:50	04/06/21 08:40	
500-197099-9	WB-Int-17 (0.5'-1.5')	Solid	04/02/21 14:20	04/06/21 08:40	
500-197099-10	WB-Int-1 (0.5'-1.5')	Solid	04/05/21 14:15	04/06/21 08:40	
500-197099-11	WB-Int-2 (0.5'-1.5')	Solid	04/05/21 14:00	04/06/21 08:40	
500-197099-12	WB-Int-3 (0.5'-1.5')	Solid	04/05/21 13:40	04/06/21 08:40	
500-197099-13	WB-Int-4 (0.5'-1.5')	Solid	04/05/21 13:05	04/06/21 08:40	
500-197099-14	WB-Int-5 (0.5'-1.5')	Solid	04/05/21 12:50	04/06/21 08:40	
500-197099-15	WB-Int-6 (0.5'-1.5')	Solid	04/05/21 11:40	04/06/21 08:40	
500-197099-16	WB-Int-7 (0.5'-1.5')	Solid	04/05/21 11:00	04/06/21 08:40	
500-197099-17	WB-Int-8 (0.5'-1.5')	Solid	04/05/21 11:20	04/06/21 08:40	
500-197099-18	TB	Solid	04/05/21 00:00	04/06/21 08:40	

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-9 (0.5'-1.5')**

**Lab Sample ID: 500-197099-1**

**Date Collected: 04/02/21 14:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Bromodichloromethane	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Bromoform	<0.031		0.063	0.031	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Chloroform	<0.023		0.13	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Dibromochloromethane	<0.031		0.063	0.031	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
n-Butylbenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-9 (0.5'-1.5')**

**Lab Sample ID: 500-197099-1**

**Date Collected: 04/02/21 14:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Styrene	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Toluene	<0.0093		0.016	0.0093	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Vinyl chloride	<0.017		0.063	0.017	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✳	04/02/21 14:40	04/09/21 16:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	04/02/21 14:40	04/09/21 16:37	50
4-Bromofluorobenzene (Surr)	84		72 - 124	04/02/21 14:40	04/09/21 16:37	50
Dibromofluoromethane (Surr)	91		75 - 120	04/02/21 14:40	04/09/21 16:37	50
Toluene-d8 (Surr)	94		75 - 120	04/02/21 14:40	04/09/21 16:37	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
<b>PCB-1248</b>	<b>0.025</b>		0.019	0.0074	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
PCB-1254	<0.0040		0.019	0.0040	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1
PCB-1260	<0.0092		0.019	0.0092	mg/Kg	✳	04/07/21 07:51	04/08/21 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 129	04/07/21 07:51	04/08/21 09:18	1
DCB Decachlorobiphenyl	94		37 - 121	04/07/21 07:51	04/08/21 09:18	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-10 (0.5'-1.5')**

**Lab Sample ID: 500-197099-2**

**Date Collected: 04/02/21 11:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.2**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1,2-Trichloroethane	<0.021		0.061	0.021	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2-Dibromoethane	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichlorobenzene	<0.020		0.061	0.020	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Benzene	<0.0089		0.015	0.0089	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Bromoform	<0.029		0.061	0.029	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Chlorobenzene	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Chloromethane	<0.019		0.061	0.019	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Dibromomethane	<0.016		0.061	0.016	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Methylene Chloride	<0.099		0.30	0.099	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
Naphthalene	<0.020		0.061	0.020	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	✱	04/02/21 11:40	04/09/21 17:05	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-10 (0.5'-1.5')**

**Lab Sample ID: 500-197099-2**

**Date Collected: 04/02/21 11:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.2**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Styrene	<0.023		0.061	0.023	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Tetrachloroethene	<0.023		0.061	0.023	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Toluene	<0.0089		0.015	0.0089	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Trichloroethene	<0.010		0.030	0.010	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	✳	04/02/21 11:40	04/09/21 17:05	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126	04/02/21 11:40	04/09/21 17:05	50
4-Bromofluorobenzene (Surr)	86		72 - 124	04/02/21 11:40	04/09/21 17:05	50
Dibromofluoromethane (Surr)	91		75 - 120	04/02/21 11:40	04/09/21 17:05	50
Toluene-d8 (Surr)	94		75 - 120	04/02/21 11:40	04/09/21 17:05	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	✳	04/07/21 07:51	04/08/21 10:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 129	04/07/21 07:51	04/08/21 10:04	1
DCB Decachlorobiphenyl	99		37 - 121	04/07/21 07:51	04/08/21 10:04	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-11 (0.5'-1.5')**

**Lab Sample ID: 500-197099-3**

**Date Collected: 04/02/21 12:25**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.064	0.030	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1,2-Trichloroethane	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Bromoform	<0.031		0.064	0.031	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Hexachlorobutadiene	<0.029		0.064	0.029	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-11 (0.5'-1.5')**

**Lab Sample ID: 500-197099-3**

**Date Collected: 04/02/21 12:25**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Styrene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
<b>Trichloroethene</b>	<b>0.031</b>	<b>J</b>	0.032	0.010	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✳	04/02/21 12:25	04/09/21 17:33	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	04/02/21 12:25	04/09/21 17:33	50
4-Bromofluorobenzene (Surr)	87		72 - 124	04/02/21 12:25	04/09/21 17:33	50
Dibromofluoromethane (Surr)	90		75 - 120	04/02/21 12:25	04/09/21 17:33	50
Toluene-d8 (Surr)	94		75 - 120	04/02/21 12:25	04/09/21 17:33	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	✳	04/07/21 07:51	04/08/21 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 129	04/07/21 07:51	04/08/21 10:20	1
DCB Decachlorobiphenyl	103		37 - 121	04/07/21 07:51	04/08/21 10:20	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-12 (0.5'-1.5')**

**Lab Sample ID: 500-197099-4**

**Date Collected: 04/02/21 12:55**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.064	0.030	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1,2-Trichloroethane	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Bromoform	<0.031		0.064	0.031	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Hexachlorobutadiene	<0.029		0.064	0.029	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	✱	04/02/21 12:55	04/09/21 18:00	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-12 (0.5'-1.5')**

**Lab Sample ID: 500-197099-4**

**Date Collected: 04/02/21 12:55**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Styrene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✳	04/02/21 12:55	04/09/21 18:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126	04/02/21 12:55	04/09/21 18:00	50
4-Bromofluorobenzene (Surr)	87		72 - 124	04/02/21 12:55	04/09/21 18:00	50
Dibromofluoromethane (Surr)	92		75 - 120	04/02/21 12:55	04/09/21 18:00	50
Toluene-d8 (Surr)	95		75 - 120	04/02/21 12:55	04/09/21 18:00	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
<b>PCB-1254</b>	<b>0.0059</b>	<b>J</b>	0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	✳	04/07/21 07:51	04/08/21 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		49 - 129	04/07/21 07:51	04/08/21 10:35	1
DCB Decachlorobiphenyl	105		37 - 121	04/07/21 07:51	04/08/21 10:35	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-13 (0.5'-1.5')**

**Lab Sample ID: 500-197099-5**

**Date Collected: 04/02/21 13:05**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloroethane	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichlorobenzene	<0.022		0.065	0.022	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichloroethane	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,3-Dichloropropane	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
1,4-Dichlorobenzene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Benzene	<0.0094		0.016	0.0094	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Bromoform	<0.031		0.065	0.031	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Dibromomethane	<0.017		0.065	0.017	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Methyl tert-butyl ether	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Methylene Chloride	<0.11		0.32	0.11	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
p-Isopropyltoluene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-13 (0.5'-1.5')**

**Lab Sample ID: 500-197099-5**

**Date Collected: 04/02/21 13:05**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Styrene	<0.025		0.065	0.025	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
trans-1,3-Dichloropropene	<0.023		0.065	0.023	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Trichloroethene	<0.011		0.032	0.011	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✳	04/02/21 13:05	04/09/21 18:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		75 - 126	04/02/21 13:05	04/09/21 18:28	50
4-Bromofluorobenzene (Surr)	90		72 - 124	04/02/21 13:05	04/09/21 18:28	50
Dibromofluoromethane (Surr)	92		75 - 120	04/02/21 13:05	04/09/21 18:28	50
Toluene-d8 (Surr)	94		75 - 120	04/02/21 13:05	04/09/21 18:28	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
PCB-1232	<0.0084		0.019	0.0084	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
<b>PCB-1248</b>	<b>0.19</b>		0.019	0.0076	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	✳	04/07/21 07:51	04/08/21 10:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		49 - 129	04/07/21 07:51	04/08/21 10:51	1
DCB Decachlorobiphenyl	95		37 - 121	04/07/21 07:51	04/08/21 10:51	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Lab Sample ID: 500-197099-6**

**Date Collected: 04/02/21 13:15**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 94.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.025		0.055	0.025	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1,1-Trichloroethane	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1,2,2-Tetrachloroethane	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1,2-Trichloroethane	<0.019		0.055	0.019	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloroethane	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloroethene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloropropene	<0.016		0.055	0.016	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2,3-Trichlorobenzene	<0.025		0.055	0.025	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2,3-Trichloropropane	<0.023		0.11	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2,4-Trichlorobenzene	<0.019		0.055	0.019	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2,4-Trimethylbenzene	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2-Dibromo-3-Chloropropane	<0.11		0.27	0.11	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2-Dibromoethane	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichlorobenzene	<0.018		0.055	0.018	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichloroethane	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichloropropane	<0.023		0.055	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,3,5-Trimethylbenzene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,3-Dichlorobenzene	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,3-Dichloropropane	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
1,4-Dichlorobenzene	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
2,2-Dichloropropane	<0.024		0.055	0.024	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
2-Chlorotoluene	<0.017		0.055	0.017	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
4-Chlorotoluene	<0.019		0.055	0.019	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Benzene	<0.0080		0.014	0.0080	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Bromobenzene	<0.019		0.055	0.019	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Bromochloromethane	<0.023		0.055	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Bromodichloromethane	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Bromoform	<0.026		0.055	0.026	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Bromomethane	<0.043		0.16	0.043	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Carbon tetrachloride	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Chlorobenzene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Chloroethane	<0.027		0.055	0.027	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Chloroform	<0.020		0.11	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Chloromethane	<0.017		0.055	0.017	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
cis-1,2-Dichloroethene	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
cis-1,3-Dichloropropene	<0.023		0.055	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Dibromochloromethane	<0.027		0.055	0.027	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Dibromomethane	<0.015		0.055	0.015	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Dichlorodifluoromethane	<0.037		0.16	0.037	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Ethylbenzene	<0.010		0.014	0.010	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Hexachlorobutadiene	<0.024		0.055	0.024	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Isopropyl ether	<0.015		0.055	0.015	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Isopropylbenzene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Methyl tert-butyl ether	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Methylene Chloride	<0.089		0.27	0.089	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Naphthalene	<0.018		0.055	0.018	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
n-Butylbenzene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
N-Propylbenzene	<0.023		0.055	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
p-Isopropyltoluene	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Lab Sample ID: 500-197099-6**

**Date Collected: 04/02/21 13:15**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 94.8**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Styrene	<0.021		0.055	0.021	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
tert-Butylbenzene	<0.022		0.055	0.022	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Tetrachloroethene	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Toluene	<0.0080		0.014	0.0080	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
trans-1,2-Dichloroethene	<0.019		0.055	0.019	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
trans-1,3-Dichloropropene	<0.020		0.055	0.020	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Trichloroethene	<0.0089		0.027	0.0089	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Trichlorofluoromethane	<0.023		0.055	0.023	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Vinyl chloride	<0.014		0.055	0.014	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50
Xylenes, Total	<0.012		0.027	0.012	mg/Kg	✱	04/02/21 13:15	04/09/21 18:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126	04/02/21 13:15	04/09/21 18:56	50
4-Bromofluorobenzene (Surr)	88		72 - 124	04/02/21 13:15	04/09/21 18:56	50
Dibromofluoromethane (Surr)	91		75 - 120	04/02/21 13:15	04/09/21 18:56	50
Toluene-d8 (Surr)	94		75 - 120	04/02/21 13:15	04/09/21 18:56	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0062		0.017	0.0062	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
PCB-1221	<0.0077		0.017	0.0077	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
PCB-1232	<0.0076		0.017	0.0076	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
PCB-1242	<0.0057		0.017	0.0057	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
<b>PCB-1248</b>	<b>0.20</b>		0.017	0.0069	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
PCB-1254	<0.0038		0.017	0.0038	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1
PCB-1260	<0.0086		0.017	0.0086	mg/Kg	✱	04/07/21 07:51	04/08/21 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 129	04/07/21 07:51	04/08/21 11:06	1
DCB Decachlorobiphenyl	92		37 - 121	04/07/21 07:51	04/08/21 11:06	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-15 (0.5'-1.5')**

**Lab Sample ID: 500-197099-7**

**Date Collected: 04/02/21 13:25**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 88.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Bromoform	<0.030		0.062	0.030	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
<b>Methylene Chloride</b>	<b>0.20</b>	<b>J B</b>	0.31	0.10	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	✱	04/02/21 13:25	04/12/21 11:24	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-15 (0.5'-1.5')**

**Lab Sample ID: 500-197099-7**

**Date Collected: 04/02/21 13:25**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 88.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Styrene	<0.024		0.062	0.024	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Toluene	<0.0091		0.016	0.0091	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✳	04/02/21 13:25	04/12/21 11:24	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126	04/02/21 13:25	04/12/21 11:24	50
4-Bromofluorobenzene (Surr)	93		72 - 124	04/02/21 13:25	04/12/21 11:24	50
Dibromofluoromethane (Surr)	103		75 - 120	04/02/21 13:25	04/12/21 11:24	50
Toluene-d8 (Surr)	95		75 - 120	04/02/21 13:25	04/12/21 11:24	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1
PCB-1260	<0.0092		0.019	0.0092	mg/Kg	✳	04/07/21 07:51	04/08/21 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		49 - 129	04/07/21 07:51	04/08/21 11:22	1
DCB Decachlorobiphenyl	95		37 - 121	04/07/21 07:51	04/08/21 11:22	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-16 (0.5'-1.5')**

**Lab Sample ID: 500-197099-8**

**Date Collected: 04/02/21 13:50**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 85.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2-Dibromo-3-Chloropropane	<0.13		0.31	0.13	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Bromodichloromethane	<0.023		0.063	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Bromoform	<0.030		0.063	0.030	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Chloroform	<0.023		0.13	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Dibromochloromethane	<0.031		0.063	0.031	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
<b>Methylene Chloride</b>	<b>0.20</b>	<b>J B</b>	0.31	0.10	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
<b>Naphthalene</b>	<b>0.024</b>	<b>J</b>	0.063	0.021	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
n-Butylbenzene	<0.024		0.063	0.024	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	✱	04/02/21 13:50	04/12/21 11:51	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-16 (0.5'-1.5')**

**Lab Sample ID: 500-197099-8**

**Date Collected: 04/02/21 13:50**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 85.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Styrene	<0.024		0.063	0.024	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
Vinyl chloride	<0.016		0.063	0.016	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50
<b>Xylenes, Total</b>	<b>0.028</b>	<b>J</b>	0.031	0.014	mg/Kg	✳	04/02/21 13:50	04/12/21 11:51	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126	04/02/21 13:50	04/12/21 11:51	50
4-Bromofluorobenzene (Surr)	94		72 - 124	04/02/21 13:50	04/12/21 11:51	50
Dibromofluoromethane (Surr)	99		75 - 120	04/02/21 13:50	04/12/21 11:51	50
Toluene-d8 (Surr)	96		75 - 120	04/02/21 13:50	04/12/21 11:51	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.069		0.19	0.069	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
PCB-1221	<0.085		0.19	0.085	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
PCB-1232	<0.085		0.19	0.085	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
PCB-1242	<0.064		0.19	0.064	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
PCB-1248	<0.076		0.19	0.076	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
<b>PCB-1254</b>	<b>0.49</b>		0.19	0.042	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10
PCB-1260	<0.095		0.19	0.095	mg/Kg	✳	04/07/21 07:51	04/08/21 11:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 129	04/07/21 07:51	04/08/21 11:37	10
DCB Decachlorobiphenyl	99		37 - 121	04/07/21 07:51	04/08/21 11:37	10

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-17 (0.5'-1.5')**

**Lab Sample ID: 500-197099-9**

**Date Collected: 04/02/21 14:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 85.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Bromoform	<0.032		0.066	0.032	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
<b>Methylene Chloride</b>	<b>0.20</b>	<b>J B</b>	0.33	0.11	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-17 (0.5'-1.5')**

**Lab Sample ID: 500-197099-9**

**Date Collected: 04/02/21 14:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 85.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Styrene	<0.025		0.066	0.025	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Toluene	<0.0097		0.016	0.0097	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	✳	04/02/21 14:20	04/12/21 12:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 126	04/02/21 14:20	04/12/21 12:17	50
4-Bromofluorobenzene (Surr)	95		72 - 124	04/02/21 14:20	04/12/21 12:17	50
Dibromofluoromethane (Surr)	100		75 - 120	04/02/21 14:20	04/12/21 12:17	50
Toluene-d8 (Surr)	96		75 - 120	04/02/21 14:20	04/12/21 12:17	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.034		0.095	0.034	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
PCB-1221	<0.042		0.095	0.042	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
PCB-1232	<0.041		0.095	0.041	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
PCB-1242	<0.031		0.095	0.031	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
<b>PCB-1248</b>	<b>0.35</b>		0.095	0.037	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
PCB-1254	<0.020		0.095	0.020	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5
PCB-1260	<0.047		0.095	0.047	mg/Kg	✳	04/07/21 07:51	04/08/21 11:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		49 - 129	04/07/21 07:51	04/08/21 11:53	5
DCB Decachlorobiphenyl	99		37 - 121	04/07/21 07:51	04/08/21 11:53	5

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-1 (0.5'-1.5')**

**Lab Sample ID: 500-197099-10**

**Date Collected: 04/05/21 14:15**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.7**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.064	0.029	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1,2-Trichloroethane	<0.022		0.064	0.022	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,3-Dichlorobenzene	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Bromoform	<0.031		0.064	0.031	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Carbon tetrachloride	<0.024		0.064	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
cis-1,3-Dichloropropene	<0.026		0.064	0.026	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Isopropylbenzene	<0.024		0.064	0.024	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
<b>Methylene Chloride</b>	<b>0.20</b>	<b>J B</b>	0.32	0.10	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	✳	04/05/21 14:15	04/12/21 12:44	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-1 (0.5'-1.5')**

**Lab Sample ID: 500-197099-10**

**Date Collected: 04/05/21 14:15**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.7**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Styrene	<0.025		0.064	0.025	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
<b>Toluene</b>	<b>0.028</b>		0.016	0.0093	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	✱	04/05/21 14:15	04/12/21 12:44	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126	04/05/21 14:15	04/12/21 12:44	50
4-Bromofluorobenzene (Surr)	93		72 - 124	04/05/21 14:15	04/12/21 12:44	50
Dibromofluoromethane (Surr)	102		75 - 120	04/05/21 14:15	04/12/21 12:44	50
Toluene-d8 (Surr)	96		75 - 120	04/05/21 14:15	04/12/21 12:44	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
<b>PCB-1254</b>	<b>0.17</b>		0.019	0.0041	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	✱	04/07/21 07:51	04/08/21 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 129	04/07/21 07:51	04/08/21 12:08	1
DCB Decachlorobiphenyl	94		37 - 121	04/07/21 07:51	04/08/21 12:08	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-2 (0.5'-1.5')**

**Lab Sample ID: 500-197099-11**

**Date Collected: 04/05/21 14:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloroethane	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2,3-Trichlorobenzene	<0.029		0.062	0.029	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,3-Dichloropropane	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Bromoform	<0.030		0.062	0.030	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Methyl tert-butyl ether	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
<b>Methylene Chloride</b>	<b>0.62</b>	<b>B</b>	0.31	0.10	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
p-Isopropyltoluene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-2 (0.5'-1.5')**

**Lab Sample ID: 500-197099-11**

**Date Collected: 04/05/21 14:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 87.0**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Styrene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
trans-1,3-Dichloropropene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✳	04/05/21 14:00	04/12/21 13:11	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126	04/05/21 14:00	04/12/21 13:11	50
4-Bromofluorobenzene (Surr)	92		72 - 124	04/05/21 14:00	04/12/21 13:11	50
Dibromofluoromethane (Surr)	104		75 - 120	04/05/21 14:00	04/12/21 13:11	50
Toluene-d8 (Surr)	95		75 - 120	04/05/21 14:00	04/12/21 13:11	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0065		0.018	0.0065	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
PCB-1221	<0.0081		0.018	0.0081	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
PCB-1232	<0.0080		0.018	0.0080	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
PCB-1242	<0.0061		0.018	0.0061	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
PCB-1248	<0.0073		0.018	0.0073	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
<b>PCB-1254</b>	<b>0.083</b>		0.018	0.0040	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1
PCB-1260	<0.0091		0.018	0.0091	mg/Kg	✳	04/07/21 07:51	04/08/21 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		49 - 129	04/07/21 07:51	04/08/21 12:24	1
DCB Decachlorobiphenyl	96		37 - 121	04/07/21 07:51	04/08/21 12:24	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-3 (0.5'-1.5')**

**Lab Sample ID: 500-197099-12**

**Date Collected: 04/05/21 13:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Benzene	<0.0096		0.017	0.0096	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Bromoform	<0.032		0.066	0.032	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Ethylbenzene	<0.012		0.017	0.012	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
<b>Methylene Chloride</b>	<b>0.65</b>	<b>B</b>	0.33	0.11	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-3 (0.5'-1.5')**

**Lab Sample ID: 500-197099-12**

**Date Collected: 04/05/21 13:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Styrene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Toluene	<0.0097		0.017	0.0097	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	✳	04/05/21 13:40	04/12/21 13:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126	04/05/21 13:40	04/12/21 13:37	50
4-Bromofluorobenzene (Surr)	93		72 - 124	04/05/21 13:40	04/12/21 13:37	50
Dibromofluoromethane (Surr)	105		75 - 120	04/05/21 13:40	04/12/21 13:37	50
Toluene-d8 (Surr)	95		75 - 120	04/05/21 13:40	04/12/21 13:37	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
<b>PCB-1254</b>	<b>0.023</b>		0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	✳	04/07/21 07:51	04/08/21 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		49 - 129	04/07/21 07:51	04/08/21 12:39	1
DCB Decachlorobiphenyl	98		37 - 121	04/07/21 07:51	04/08/21 12:39	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-4 (0.5'-1.5')**

**Lab Sample ID: 500-197099-13**

**Date Collected: 04/05/21 13:05**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloroethane	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2,3-Trichlorobenzene	<0.029		0.062	0.029	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,3-Dichloropropane	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Bromoform	<0.030		0.062	0.030	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Methyl tert-butyl ether	<0.025		0.062	0.025	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
<b>Methylene Chloride</b>	<b>0.60</b>	<b>B</b>	0.31	0.10	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50
p-Isopropyltoluene	<0.023		0.062	0.023	mg/Kg	✳	04/05/21 13:05	04/12/21 14:04	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-4 (0.5'-1.5')**

**Lab Sample ID: 500-197099-13**

**Date Collected: 04/05/21 13:05**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Styrene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
trans-1,3-Dichloropropene	<0.023		0.062	0.023	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✱	04/05/21 13:05	04/12/21 14:04	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126	04/05/21 13:05	04/12/21 14:04	50
4-Bromofluorobenzene (Surr)	94		72 - 124	04/05/21 13:05	04/12/21 14:04	50
Dibromofluoromethane (Surr)	104		75 - 120	04/05/21 13:05	04/12/21 14:04	50
Toluene-d8 (Surr)	94		75 - 120	04/05/21 13:05	04/12/21 14:04	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
PCB-1221	<0.0082		0.019	0.0082	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
PCB-1232	<0.0081		0.019	0.0081	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
PCB-1242	<0.0061		0.019	0.0061	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
PCB-1248	<0.0073		0.019	0.0073	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
<b>PCB-1254</b>	<b>0.051</b>		0.019	0.0040	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1
PCB-1260	<0.0091		0.019	0.0091	mg/Kg	✱	04/07/21 07:51	04/08/21 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		49 - 129	04/07/21 07:51	04/08/21 12:54	1
DCB Decachlorobiphenyl	99		37 - 121	04/07/21 07:51	04/08/21 12:54	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-5 (0.5'-1.5')**

**Lab Sample ID: 500-197099-14**

**Date Collected: 04/05/21 12:50**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.6**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2,4-Trichlorobenzene	<0.022		0.066	0.022	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2,4-Trimethylbenzene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Bromodichloromethane	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Bromoform	<0.032		0.066	0.032	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Chloroform	<0.024		0.13	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
<b>Methylene Chloride</b>	<b>0.61</b>	<b>B</b>	0.33	0.11	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
n-Butylbenzene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-5 (0.5'-1.5')**

**Lab Sample ID: 500-197099-14**

**Date Collected: 04/05/21 12:50**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 86.6**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Styrene	<0.025		0.066	0.025	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	✳	04/05/21 12:50	04/12/21 14:31	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126	04/05/21 12:50	04/12/21 14:31	50
4-Bromofluorobenzene (Surr)	93		72 - 124	04/05/21 12:50	04/12/21 14:31	50
Dibromofluoromethane (Surr)	103		75 - 120	04/05/21 12:50	04/12/21 14:31	50
Toluene-d8 (Surr)	95		75 - 120	04/05/21 12:50	04/12/21 14:31	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
<b>PCB-1254</b>	<b>0.0084</b>	<b>J</b>	0.019	0.0041	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	✳	04/07/21 07:51	04/08/21 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		49 - 129	04/07/21 07:51	04/08/21 13:10	1
DCB Decachlorobiphenyl	90		37 - 121	04/07/21 07:51	04/08/21 13:10	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-6 (0.5'-1.5')**

**Lab Sample ID: 500-197099-15**

**Date Collected: 04/05/21 11:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.3**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1,1-Trichloroethane	<0.023		0.062	0.023	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloropropene	<0.018		0.062	0.018	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichloropropane	<0.026		0.062	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,3,5-Trimethylbenzene	<0.023		0.062	0.023	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
1,4-Dichlorobenzene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
2,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
2-Chlorotoluene	<0.019		0.062	0.019	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Bromochloromethane	<0.026		0.062	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Bromoform	<0.030		0.062	0.030	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
<b>Methylene Chloride</b>	<b>0.58</b>	<b>B</b>	0.31	0.10	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-6 (0.5'-1.5')**

**Lab Sample ID: 500-197099-15**

**Date Collected: 04/05/21 11:40**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.3**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Styrene	<0.024		0.062	0.024	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
<b>Tetrachloroethene</b>	<b>0.31</b>		0.062	0.023	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Toluene	<0.0091		0.015	0.0091	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Trichlorofluoromethane	<0.026		0.062	0.026	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	✱	04/05/21 11:40	04/12/21 14:58	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126	04/05/21 11:40	04/12/21 14:58	50
4-Bromofluorobenzene (Surr)	92		72 - 124	04/05/21 11:40	04/12/21 14:58	50
Dibromofluoromethane (Surr)	105		75 - 120	04/05/21 11:40	04/12/21 14:58	50
Toluene-d8 (Surr)	96		75 - 120	04/05/21 11:40	04/12/21 14:58	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0064		0.018	0.0064	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1221	<0.0080		0.018	0.0080	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1232	<0.0079		0.018	0.0079	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1242	<0.0060		0.018	0.0060	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1248	<0.0072		0.018	0.0072	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1
PCB-1260	<0.0089		0.018	0.0089	mg/Kg	✱	04/07/21 07:51	04/08/21 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 129	04/07/21 07:51	04/08/21 13:25	1
DCB Decachlorobiphenyl	89		37 - 121	04/07/21 07:51	04/08/21 13:25	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-7 (0.5'-1.5')**

**Lab Sample ID: 500-197099-16**

**Date Collected: 04/05/21 11:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1,2-Trichloroethane	<0.021		0.061	0.021	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2-Dibromoethane	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichlorobenzene	<0.020		0.061	0.020	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Benzene	<0.0089		0.015	0.0089	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Bromoform	<0.029		0.061	0.029	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Chlorobenzene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Chloroform	<0.023		0.12	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Chloromethane	<0.019		0.061	0.019	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Dibromomethane	<0.016		0.061	0.016	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
<b>Methylene Chloride</b>	<b>0.57</b>	<b>B</b>	0.30	0.099	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Naphthalene	<0.020		0.061	0.020	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-7 (0.5'-1.5')**

**Lab Sample ID: 500-197099-16**

**Date Collected: 04/05/21 11:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.9**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Styrene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
<b>Tetrachloroethene</b>	<b>3.0</b>		0.061	0.023	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Toluene	<0.0090		0.015	0.0090	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
<b>Trichloroethene</b>	<b>0.021 J</b>		0.030	0.010	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	✳	04/05/21 11:00	04/12/21 15:24	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126	04/05/21 11:00	04/12/21 15:24	50
4-Bromofluorobenzene (Surr)	93		72 - 124	04/05/21 11:00	04/12/21 15:24	50
Dibromofluoromethane (Surr)	105		75 - 120	04/05/21 11:00	04/12/21 15:24	50
Toluene-d8 (Surr)	95		75 - 120	04/05/21 11:00	04/12/21 15:24	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0065		0.018	0.0065	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1221	<0.0081		0.018	0.0081	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1232	<0.0080		0.018	0.0080	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1242	<0.0061		0.018	0.0061	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1248	<0.0073		0.018	0.0073	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1254	<0.0040		0.018	0.0040	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1
PCB-1260	<0.0091		0.018	0.0091	mg/Kg	✳	04/07/21 07:51	04/08/21 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		49 - 129	04/07/21 07:51	04/08/21 13:41	1
DCB Decachlorobiphenyl	99		37 - 121	04/07/21 07:51	04/08/21 13:41	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-8 (0.5'-1.5')**

**Lab Sample ID: 500-197099-17**

**Date Collected: 04/05/21 11:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 91.1**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.060	0.028	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloroethane	<0.024		0.060	0.024	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2,4-Trimethylbenzene	<0.021		0.060	0.021	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichloroethane	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
2,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Benzene	<0.0087		0.015	0.0087	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Bromochloromethane	<0.026		0.060	0.026	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Bromoform	<0.029		0.060	0.029	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Bromomethane	<0.047		0.18	0.047	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Chloroform	<0.022		0.12	0.022	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Isopropyl ether	<0.016		0.060	0.016	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Methyl tert-butyl ether	<0.024		0.060	0.024	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
<b>Methylene Chloride</b>	<b>0.57</b>	<b>B</b>	0.30	0.097	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
Naphthalene	<0.020		0.060	0.020	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	✳	04/05/21 11:20	04/12/21 15:51	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-8 (0.5'-1.5')**

**Lab Sample ID: 500-197099-17**

**Date Collected: 04/05/21 11:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 91.1**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Styrene	<0.023		0.060	0.023	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Toluene	<0.0088		0.015	0.0088	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Trichloroethene	<0.0098		0.030	0.0098	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Trichlorofluoromethane	<0.026		0.060	0.026	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	✱	04/05/21 11:20	04/12/21 15:51	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126	04/05/21 11:20	04/12/21 15:51	50
4-Bromofluorobenzene (Surr)	94		72 - 124	04/05/21 11:20	04/12/21 15:51	50
Dibromofluoromethane (Surr)	107		75 - 120	04/05/21 11:20	04/12/21 15:51	50
Toluene-d8 (Surr)	94		75 - 120	04/05/21 11:20	04/12/21 15:51	50

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0064		0.018	0.0064	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1221	<0.0079		0.018	0.0079	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1232	<0.0079		0.018	0.0079	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1242	<0.0059		0.018	0.0059	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1248	<0.0071		0.018	0.0071	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1
PCB-1260	<0.0089		0.018	0.0089	mg/Kg	✱	04/07/21 07:51	04/08/21 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 129	04/07/21 07:51	04/08/21 13:56	1
DCB Decachlorobiphenyl	103		37 - 121	04/07/21 07:51	04/08/21 13:56	1

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: TB**

**Lab Sample ID: 500-197099-18**

**Date Collected: 04/05/21 00:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
<b>Methylene Chloride</b>	<b>0.16</b>	<b>J B</b>	0.25	0.082	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: TB**

**Lab Sample ID: 500-197099-18**

**Date Collected: 04/05/21 00:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	102		75 - 126				04/05/21 00:00	04/12/21 10:57	50
4-Bromofluorobenzene (Surr)	93		72 - 124				04/05/21 00:00	04/12/21 10:57	50
Dibromofluoromethane (Surr)	103		75 - 120				04/05/21 00:00	04/12/21 10:57	50
Toluene-d8 (Surr)	95		75 - 120				04/05/21 00:00	04/12/21 10:57	50

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## GC/MS VOA

### Prep Batch: 591989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-18	TB	Total/NA	Solid	5035	
LB3 500-591989/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-591989/20-A	Lab Control Sample	Total/NA	Solid	5035	
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	

### Analysis Batch: 592413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989
LB3 500-591989/19-A	Method Blank	Total/NA	Solid	8260B	591989
MB 500-592413/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-591989/20-A	Lab Control Sample	Total/NA	Solid	8260B	591989
LCS 500-592413/4	Lab Control Sample	Total/NA	Solid	8260B	
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989

### Analysis Batch: 592700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	8260B	591989

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# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## GC/MS VOA (Continued)

### Analysis Batch: 592700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-18	TB	Total/NA	Solid	8260B	591989
MB 500-592700/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-592700/4	Lab Control Sample	Total/NA	Solid	8260B	

## GC Semi VOA

### Prep Batch: 592039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	3541	
MB 500-592039/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-592039/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	

### Analysis Batch: 592199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	8082A	592039
MB 500-592039/1-A	Method Blank	Total/NA	Solid	8082A	592039
LCS 500-592039/2-A	Lab Control Sample	Total/NA	Solid	8082A	592039

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# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## GC Semi VOA (Continued)

### Analysis Batch: 592199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039

## General Chemistry

### Analysis Batch: 593365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-1 DU	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-197099-1	WB-Int-9 (0.5'-1.5')	105	84	91	94
500-197099-2	WB-Int-10 (0.5'-1.5')	108	86	91	94
500-197099-3	WB-Int-11 (0.5'-1.5')	107	87	90	94
500-197099-4	WB-Int-12 (0.5'-1.5')	111	87	92	95
500-197099-5	WB-Int-13 (0.5'-1.5')	110	90	92	94
500-197099-6	WB-Int-14 (0.5'-1.5')	111	88	91	94
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	107	85	96	95
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	106	86	97	95
500-197099-7	WB-Int-15 (0.5'-1.5')	101	93	103	95
500-197099-8	WB-Int-16 (0.5'-1.5')	100	94	99	96
500-197099-9	WB-Int-17 (0.5'-1.5')	100	95	100	96
500-197099-10	WB-Int-1 (0.5'-1.5')	101	93	102	96
500-197099-11	WB-Int-2 (0.5'-1.5')	102	92	104	95
500-197099-12	WB-Int-3 (0.5'-1.5')	103	93	105	95
500-197099-13	WB-Int-4 (0.5'-1.5')	103	94	104	94
500-197099-14	WB-Int-5 (0.5'-1.5')	103	93	103	95
500-197099-15	WB-Int-6 (0.5'-1.5')	103	92	105	96
500-197099-16	WB-Int-7 (0.5'-1.5')	102	93	105	95
500-197099-17	WB-Int-8 (0.5'-1.5')	106	94	107	94
500-197099-18	TB	102	93	103	95
LB3 500-591989/19-A	Method Blank	107	87	89	95
LCS 500-591989/20-A	Lab Control Sample	107	85	96	94
LCS 500-592413/4	Lab Control Sample	102	85	96	98
LCS 500-592700/4	Lab Control Sample	101	95	99	97
MB 500-592413/6	Method Blank	102	85	94	93
MB 500-592700/6	Method Blank	103	94	105	94

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (49-129)	DCBP2 (37-121)
500-197099-1	WB-Int-9 (0.5'-1.5')	79	94
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	101	127 S1+
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	92	109
500-197099-2	WB-Int-10 (0.5'-1.5')	75	99
500-197099-3	WB-Int-11 (0.5'-1.5')	59	103
500-197099-4	WB-Int-12 (0.5'-1.5')	74	105
500-197099-5	WB-Int-13 (0.5'-1.5')	73	95
500-197099-6	WB-Int-14 (0.5'-1.5')	70	92
500-197099-7	WB-Int-15 (0.5'-1.5')	67	95
500-197099-8	WB-Int-16 (0.5'-1.5')	70	99
500-197099-9	WB-Int-17 (0.5'-1.5')	79	99

Eurofins TestAmerica, Chicago

# Surrogate Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)**

**Matrix: Solid**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2	DCBP2
		(49-129)	(37-121)
500-197099-10	WB-Int-1 (0.5'-1.5')	75	94
500-197099-11	WB-Int-2 (0.5'-1.5')	67	96
500-197099-12	WB-Int-3 (0.5'-1.5')	65	98
500-197099-13	WB-Int-4 (0.5'-1.5')	86	99
500-197099-14	WB-Int-5 (0.5'-1.5')	73	90
500-197099-15	WB-Int-6 (0.5'-1.5')	59	89
500-197099-16	WB-Int-7 (0.5'-1.5')	75	99
500-197099-17	WB-Int-8 (0.5'-1.5')	70	103
LCS 500-592039/2-A	Lab Control Sample	92	106
MB 500-592039/1-A	Method Blank	89	96

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: LB3 500-591989/19-A**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 591989**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50

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# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LB3 500-591989/19-A**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 591989**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/06/21 23:15	04/09/21 16:10	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	107		75 - 126	04/06/21 23:15	04/09/21 16:10	50
4-Bromofluorobenzene (Surr)	87		72 - 124	04/06/21 23:15	04/09/21 16:10	50
Dibromofluoromethane (Surr)	89		75 - 120	04/06/21 23:15	04/09/21 16:10	50
Toluene-d8 (Surr)	95		75 - 120	04/06/21 23:15	04/09/21 16:10	50

**Lab Sample ID: LCS 500-591989/20-A**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 591989**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	2.50	2.27		mg/Kg		91	70 - 125
1,1,1-Trichloroethane	2.50	2.45		mg/Kg		98	70 - 125
1,1,1,2-Tetrachloroethane	2.50	1.83		mg/Kg		73	62 - 140
1,1,2-Trichloroethane	2.50	2.20		mg/Kg		88	71 - 130
1,1-Dichloroethane	2.50	2.66		mg/Kg		107	70 - 125
1,1-Dichloroethene	2.50	2.23		mg/Kg		89	67 - 122
1,1-Dichloropropene	2.50	2.57		mg/Kg		103	70 - 121
1,2,3-Trichlorobenzene	2.50	2.57		mg/Kg		103	51 - 145
1,2,3-Trichloropropane	2.50	1.95		mg/Kg		78	50 - 133
1,2,4-Trichlorobenzene	2.50	2.52		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.35		mg/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.65		mg/Kg		66	56 - 123
1,2-Dibromoethane	2.50	2.21		mg/Kg		88	70 - 125
1,2-Dichlorobenzene	2.50	2.27		mg/Kg		91	70 - 125
1,2-Dichloroethane	2.50	2.91		mg/Kg		116	68 - 127
1,2-Dichloropropane	2.50	2.76		mg/Kg		110	67 - 130
1,3,5-Trimethylbenzene	2.50	2.34		mg/Kg		94	70 - 123
1,3-Dichlorobenzene	2.50	2.36		mg/Kg		94	70 - 125
1,3-Dichloropropane	2.50	2.43		mg/Kg		97	62 - 136
1,4-Dichlorobenzene	2.50	2.35		mg/Kg		94	70 - 120
2,2-Dichloropropane	2.50	2.56		mg/Kg		103	58 - 139
2-Chlorotoluene	2.50	2.23		mg/Kg		89	70 - 125
4-Chlorotoluene	2.50	2.25		mg/Kg		90	68 - 124
Benzene	2.50	2.55		mg/Kg		102	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-591989/20-A**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 591989**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.05		mg/Kg		82	70 - 122
Bromochloromethane	2.50	2.51		mg/Kg		100	65 - 122
Bromodichloromethane	2.50	2.25		mg/Kg		90	69 - 120
Bromoform	2.50	1.69		mg/Kg		68	56 - 132
Bromomethane	2.50	1.69		mg/Kg		68	40 - 152
Carbon tetrachloride	2.50	2.32		mg/Kg		93	59 - 133
Chlorobenzene	2.50	2.54		mg/Kg		102	70 - 120
Chloroethane	2.50	1.89		mg/Kg		76	48 - 136
Chloroform	2.50	2.48		mg/Kg		99	70 - 120
Chloromethane	2.50	2.29		mg/Kg		92	56 - 152
cis-1,2-Dichloroethene	2.50	2.40		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	2.50	2.14		mg/Kg		86	64 - 127
Dibromochloromethane	2.50	1.90		mg/Kg		76	68 - 125
Dibromomethane	2.50	2.50		mg/Kg		100	70 - 120
Dichlorodifluoromethane	2.50	1.38		mg/Kg		55	40 - 159
Ethylbenzene	2.50	2.63		mg/Kg		105	70 - 123
Hexachlorobutadiene	2.50	2.84		mg/Kg		113	51 - 150
Isopropylbenzene	2.50	2.23		mg/Kg		89	70 - 126
Methyl tert-butyl ether	2.50	2.78		mg/Kg		111	55 - 123
Methylene Chloride	2.50	2.33		mg/Kg		93	69 - 125
Naphthalene	2.50	2.24		mg/Kg		90	53 - 144
n-Butylbenzene	2.50	2.57		mg/Kg		103	68 - 125
N-Propylbenzene	2.50	2.30		mg/Kg		92	69 - 127
p-Isopropyltoluene	2.50	2.56		mg/Kg		102	70 - 125
sec-Butylbenzene	2.50	2.41		mg/Kg		97	70 - 123
Styrene	2.50	2.29		mg/Kg		92	70 - 120
tert-Butylbenzene	2.50	2.35		mg/Kg		94	70 - 121
Tetrachloroethene	2.50	2.38		mg/Kg		95	70 - 128
Toluene	2.50	2.40		mg/Kg		96	70 - 125
trans-1,2-Dichloroethene	2.50	2.33		mg/Kg		93	70 - 125
trans-1,3-Dichloropropene	2.50	2.09		mg/Kg		83	62 - 128
Trichloroethene	2.50	2.53		mg/Kg		101	70 - 125
Trichlorofluoromethane	2.50	2.27		mg/Kg		91	55 - 128
Vinyl chloride	2.50	2.19		mg/Kg		88	64 - 126
Xylenes, Total	5.00	5.26		mg/Kg		105	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		75 - 126
4-Bromofluorobenzene (Surr)	85		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	94		75 - 120

**Lab Sample ID: 500-197099-6 MS**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: WB-Int-14 (0.5'-1.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 591989**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.025		2.73	2.42		mg/Kg	☆	89	70 - 125

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-197099-6 MS**

**Matrix: Solid**

**Analysis Batch: 592413**

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Prep Type: Total/NA**

**Prep Batch: 591989**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	<0.021		2.73	2.56		mg/Kg	☼	94	70 - 125
1,1,2,2-Tetrachloroethane	<0.022		2.73	1.91		mg/Kg	☼	70	62 - 140
1,1,2-Trichloroethane	<0.019		2.73	2.36		mg/Kg	☼	87	71 - 130
1,1-Dichloroethane	<0.022		2.73	2.83		mg/Kg	☼	104	70 - 125
1,1-Dichloroethene	<0.021		2.73	2.43		mg/Kg	☼	89	67 - 122
1,1-Dichloropropene	<0.016		2.73	2.68		mg/Kg	☼	98	70 - 121
1,2,3-Trichlorobenzene	<0.025		2.73	2.74		mg/Kg	☼	100	51 - 145
1,2,3-Trichloropropane	<0.023		2.73	2.08		mg/Kg	☼	76	50 - 133
1,2,4-Trichlorobenzene	<0.019		2.73	2.67		mg/Kg	☼	98	57 - 137
1,2,4-Trimethylbenzene	<0.020		2.73	2.46		mg/Kg	☼	90	70 - 123
1,2-Dibromo-3-Chloropropane	<0.11		2.73	1.79		mg/Kg	☼	66	56 - 123
1,2-Dibromoethane	<0.021		2.73	2.27		mg/Kg	☼	83	70 - 125
1,2-Dichlorobenzene	<0.018		2.73	2.33		mg/Kg	☼	85	70 - 125
1,2-Dichloroethane	<0.021		2.73	3.00		mg/Kg	☼	110	68 - 127
1,2-Dichloropropane	<0.023		2.73	2.95		mg/Kg	☼	108	67 - 130
1,3,5-Trimethylbenzene	<0.021		2.73	2.43		mg/Kg	☼	89	70 - 123
1,3-Dichlorobenzene	<0.022		2.73	2.43		mg/Kg	☼	89	70 - 125
1,3-Dichloropropane	<0.020		2.73	2.52		mg/Kg	☼	92	62 - 136
1,4-Dichlorobenzene	<0.020		2.73	2.43		mg/Kg	☼	89	70 - 120
2,2-Dichloropropane	<0.024		2.73	2.61		mg/Kg	☼	96	58 - 139
2-Chlorotoluene	<0.017		2.73	2.33		mg/Kg	☼	86	70 - 125
4-Chlorotoluene	<0.019		2.73	2.37		mg/Kg	☼	87	68 - 124
Benzene	<0.0080		2.73	2.68		mg/Kg	☼	98	70 - 120
Bromobenzene	<0.019		2.73	2.15		mg/Kg	☼	79	70 - 122
Bromochloromethane	<0.023		2.73	2.65		mg/Kg	☼	97	65 - 122
Bromodichloromethane	<0.020		2.73	2.36		mg/Kg	☼	86	69 - 120
Bromoform	<0.026		2.73	1.81		mg/Kg	☼	66	56 - 132
Bromomethane	<0.043		2.73	1.99		mg/Kg	☼	73	40 - 152
Carbon tetrachloride	<0.021		2.73	2.45		mg/Kg	☼	90	59 - 133
Chlorobenzene	<0.021		2.73	2.66		mg/Kg	☼	97	70 - 120
Chloroethane	<0.027		2.73	2.16		mg/Kg	☼	79	48 - 136
Chloroform	<0.020		2.73	2.58		mg/Kg	☼	94	70 - 120
Chloromethane	<0.017		2.73	3.27		mg/Kg	☼	120	56 - 152
cis-1,2-Dichloroethene	<0.022		2.73	2.50		mg/Kg	☼	92	70 - 125
cis-1,3-Dichloropropene	<0.023		2.73	2.28		mg/Kg	☼	83	64 - 127
Dibromochloromethane	<0.027		2.73	2.03		mg/Kg	☼	74	68 - 125
Dibromomethane	<0.015		2.73	2.54		mg/Kg	☼	93	70 - 120
Dichlorodifluoromethane	<0.037		2.73	2.92		mg/Kg	☼	107	40 - 159
Ethylbenzene	<0.010		2.73	2.75		mg/Kg	☼	101	70 - 123
Hexachlorobutadiene	<0.024		2.73	2.95		mg/Kg	☼	108	51 - 150
Isopropylbenzene	<0.021		2.73	2.34		mg/Kg	☼	86	70 - 126
Methyl tert-butyl ether	<0.021		2.73	2.86		mg/Kg	☼	105	55 - 123
Methylene Chloride	<0.089		2.73	2.45		mg/Kg	☼	90	69 - 125
Naphthalene	<0.018		2.73	2.41		mg/Kg	☼	88	53 - 144
n-Butylbenzene	<0.021		2.73	2.68		mg/Kg	☼	98	68 - 125
N-Propylbenzene	<0.023		2.73	2.40		mg/Kg	☼	88	69 - 127
p-Isopropyltoluene	<0.020		2.73	2.66		mg/Kg	☼	98	70 - 125
sec-Butylbenzene	<0.022		2.73	2.52		mg/Kg	☼	93	70 - 123
Styrene	<0.021		2.73	2.38		mg/Kg	☼	87	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-197099-6 MS**

**Matrix: Solid**

**Analysis Batch: 592413**

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Prep Type: Total/NA**

**Prep Batch: 591989**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.022		2.73	2.46		mg/Kg	☼	90	70 - 121
Tetrachloroethene	<0.020		2.73	2.51		mg/Kg	☼	92	70 - 128
Toluene	<0.0080		2.73	2.53		mg/Kg	☼	93	70 - 125
trans-1,2-Dichloroethene	<0.019		2.73	2.48		mg/Kg	☼	91	70 - 125
trans-1,3-Dichloropropene	<0.020		2.73	2.21		mg/Kg	☼	81	62 - 128
Trichloroethene	<0.0089		2.73	2.68		mg/Kg	☼	98	70 - 125
Trichlorofluoromethane	<0.023		2.73	2.52		mg/Kg	☼	92	55 - 128
Vinyl chloride	<0.014		2.73	2.91		mg/Kg	☼	107	64 - 126
Xylenes, Total	<0.012		5.45	5.49		mg/Kg	☼	101	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		75 - 126
4-Bromofluorobenzene (Surr)	85		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	95		75 - 120

**Lab Sample ID: 500-197099-6 MSD**

**Matrix: Solid**

**Analysis Batch: 592413**

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Prep Type: Total/NA**

**Prep Batch: 591989**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.025		2.73	2.34		mg/Kg	☼	86	70 - 125	3	30
1,1,1-Trichloroethane	<0.021		2.73	2.57		mg/Kg	☼	94	70 - 125	0	30
1,1,1,2-Tetrachloroethane	<0.022		2.73	1.89		mg/Kg	☼	69	62 - 140	1	30
1,1,2-Trichloroethane	<0.019		2.73	2.34		mg/Kg	☼	86	71 - 130	1	30
1,1-Dichloroethane	<0.022		2.73	2.81		mg/Kg	☼	103	70 - 125	1	30
1,1-Dichloroethene	<0.021		2.73	2.50		mg/Kg	☼	92	67 - 122	2	30
1,1-Dichloropropene	<0.016		2.73	2.73		mg/Kg	☼	100	70 - 121	2	30
1,2,3-Trichlorobenzene	<0.025		2.73	2.72		mg/Kg	☼	100	51 - 145	1	30
1,2,3-Trichloropropane	<0.023		2.73	1.99		mg/Kg	☼	73	50 - 133	5	30
1,2,4-Trichlorobenzene	<0.019		2.73	2.68		mg/Kg	☼	98	57 - 137	0	30
1,2,4-Trimethylbenzene	<0.020		2.73	2.46		mg/Kg	☼	90	70 - 123	0	30
1,2-Dibromo-3-Chloropropane	<0.11		2.73	1.75		mg/Kg	☼	64	56 - 123	2	30
1,2-Dibromoethane	<0.021		2.73	2.26		mg/Kg	☼	83	70 - 125	1	30
1,2-Dichlorobenzene	<0.018		2.73	2.36		mg/Kg	☼	86	70 - 125	1	30
1,2-Dichloroethane	<0.021		2.73	2.95		mg/Kg	☼	108	68 - 127	2	30
1,2-Dichloropropane	<0.023		2.73	2.97		mg/Kg	☼	109	67 - 130	1	30
1,3,5-Trimethylbenzene	<0.021		2.73	2.43		mg/Kg	☼	89	70 - 123	0	30
1,3-Dichlorobenzene	<0.022		2.73	2.42		mg/Kg	☼	89	70 - 125	1	30
1,3-Dichloropropane	<0.020		2.73	2.48		mg/Kg	☼	91	62 - 136	2	30
1,4-Dichlorobenzene	<0.020		2.73	2.44		mg/Kg	☼	89	70 - 120	0	30
2,2-Dichloropropane	<0.024		2.73	2.67		mg/Kg	☼	98	58 - 139	2	30
2-Chlorotoluene	<0.017		2.73	2.33		mg/Kg	☼	86	70 - 125	0	30
4-Chlorotoluene	<0.019		2.73	2.36		mg/Kg	☼	87	68 - 124	0	30
Benzene	<0.0080		2.73	2.69		mg/Kg	☼	99	70 - 120	0	30
Bromobenzene	<0.019		2.73	2.15		mg/Kg	☼	79	70 - 122	0	30
Bromochloromethane	<0.023		2.73	2.62		mg/Kg	☼	96	65 - 122	1	30
Bromodichloromethane	<0.020		2.73	2.34		mg/Kg	☼	86	69 - 120	1	30

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-197099-6 MSD**

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 592413**

**Prep Batch: 591989**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bromoform	<0.026		2.73	1.83		mg/Kg	☼	67	56 - 132	1	30
Bromomethane	<0.043		2.73	2.02		mg/Kg	☼	74	40 - 152	2	30
Carbon tetrachloride	<0.021		2.73	2.45		mg/Kg	☼	90	59 - 133	0	30
Chlorobenzene	<0.021		2.73	2.65		mg/Kg	☼	97	70 - 120	0	30
Chloroethane	<0.027		2.73	2.21		mg/Kg	☼	81	48 - 136	2	30
Chloroform	<0.020		2.73	2.55		mg/Kg	☼	94	70 - 120	1	30
Chloromethane	<0.017		2.73	3.38		mg/Kg	☼	124	56 - 152	3	30
cis-1,2-Dichloroethene	<0.022		2.73	2.51		mg/Kg	☼	92	70 - 125	0	30
cis-1,3-Dichloropropene	<0.023		2.73	2.27		mg/Kg	☼	83	64 - 127	0	30
Dibromochloromethane	<0.027		2.73	2.04		mg/Kg	☼	75	68 - 125	0	30
Dibromomethane	<0.015		2.73	2.53		mg/Kg	☼	93	70 - 120	0	30
Dichlorodifluoromethane	<0.037		2.73	2.89		mg/Kg	☼	106	40 - 159	1	30
Ethylbenzene	<0.010		2.73	2.78		mg/Kg	☼	102	70 - 123	1	30
Hexachlorobutadiene	<0.024		2.73	3.01		mg/Kg	☼	110	51 - 150	2	30
Isopropylbenzene	<0.021		2.73	2.35		mg/Kg	☼	86	70 - 126	0	30
Methyl tert-butyl ether	<0.021		2.73	2.88		mg/Kg	☼	106	55 - 123	1	30
Methylene Chloride	<0.089		2.73	2.48		mg/Kg	☼	91	69 - 125	1	30
Naphthalene	<0.018		2.73	2.42		mg/Kg	☼	89	53 - 144	0	30
n-Butylbenzene	<0.021		2.73	2.68		mg/Kg	☼	98	68 - 125	0	30
N-Propylbenzene	<0.023		2.73	2.41		mg/Kg	☼	88	69 - 127	0	30
p-Isopropyltoluene	<0.020		2.73	2.68		mg/Kg	☼	98	70 - 125	1	30
sec-Butylbenzene	<0.022		2.73	2.54		mg/Kg	☼	93	70 - 123	0	30
Styrene	<0.021		2.73	2.38		mg/Kg	☼	87	70 - 120	0	30
tert-Butylbenzene	<0.022		2.73	2.47		mg/Kg	☼	90	70 - 121	0	30
Tetrachloroethene	<0.020		2.73	2.50		mg/Kg	☼	92	70 - 128	1	30
Toluene	<0.0080		2.73	2.53		mg/Kg	☼	93	70 - 125	0	30
trans-1,2-Dichloroethene	<0.019		2.73	2.52		mg/Kg	☼	92	70 - 125	2	30
trans-1,3-Dichloropropene	<0.020		2.73	2.20		mg/Kg	☼	81	62 - 128	1	30
Trichloroethene	<0.0089		2.73	2.68		mg/Kg	☼	98	70 - 125	0	30
Trichlorofluoromethane	<0.023		2.73	2.58		mg/Kg	☼	94	55 - 128	2	30
Vinyl chloride	<0.014		2.73	2.96		mg/Kg	☼	109	64 - 126	2	30
Xylenes, Total	<0.012		5.45	5.46		mg/Kg	☼	100	70 - 125	1	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	106		75 - 126
4-Bromofluorobenzene (Surr)	86		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
Toluene-d8 (Surr)	95		75 - 120

**Lab Sample ID: MB 500-592413/6**

**Client Sample ID: Method Blank**

**Matrix: Solid**

**Prep Type: Total/NA**

**Analysis Batch: 592413**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/09/21 11:07	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592413/6**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/09/21 11:07	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/09/21 11:07	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/09/21 11:07	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/09/21 11:07	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/09/21 11:07	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/09/21 11:07	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/09/21 11:07	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/09/21 11:07	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/09/21 11:07	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/09/21 11:07	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/09/21 11:07	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/09/21 11:07	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/09/21 11:07	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/09/21 11:07	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/09/21 11:07	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/09/21 11:07	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/09/21 11:07	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/09/21 11:07	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/09/21 11:07	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/09/21 11:07	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/09/21 11:07	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/09/21 11:07	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/09/21 11:07	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/09/21 11:07	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/09/21 11:07	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592413/6**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/09/21 11:07	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/09/21 11:07	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/09/21 11:07	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/09/21 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		04/09/21 11:07	1
4-Bromofluorobenzene (Surr)	85		72 - 124		04/09/21 11:07	1
Dibromofluoromethane (Surr)	94		75 - 120		04/09/21 11:07	1
Toluene-d8 (Surr)	93		75 - 120		04/09/21 11:07	1

**Lab Sample ID: LCS 500-592413/4**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0427		mg/Kg		85	70 - 125
1,1,1-Trichloroethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0333		mg/Kg		67	62 - 140
1,1,2-Trichloroethane	0.0500	0.0401		mg/Kg		80	71 - 130
1,1-Dichloroethane	0.0500	0.0489		mg/Kg		98	70 - 125
1,1-Dichloroethene	0.0500	0.0430		mg/Kg		86	67 - 122
1,1-Dichloropropene	0.0500	0.0486		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0401		mg/Kg		80	51 - 145
1,2,3-Trichloropropane	0.0500	0.0342		mg/Kg		68	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0406		mg/Kg		81	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0428		mg/Kg		86	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0296		mg/Kg		59	56 - 123
1,2-Dibromoethane	0.0500	0.0395		mg/Kg		79	70 - 125
1,2-Dichlorobenzene	0.0500	0.0398		mg/Kg		80	70 - 125
1,2-Dichloroethane	0.0500	0.0504		mg/Kg		101	68 - 127
1,2-Dichloropropane	0.0500	0.0505		mg/Kg		101	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0427		mg/Kg		85	70 - 123
1,3-Dichlorobenzene	0.0500	0.0422		mg/Kg		84	70 - 125
1,3-Dichloropropane	0.0500	0.0428		mg/Kg		86	62 - 136
1,4-Dichlorobenzene	0.0500	0.0418		mg/Kg		84	70 - 120
2,2-Dichloropropane	0.0500	0.0500		mg/Kg		100	58 - 139
2-Chlorotoluene	0.0500	0.0414		mg/Kg		83	70 - 125
4-Chlorotoluene	0.0500	0.0411		mg/Kg		82	68 - 124
Benzene	0.0500	0.0467		mg/Kg		93	70 - 120
Bromobenzene	0.0500	0.0377		mg/Kg		75	70 - 122
Bromochloromethane	0.0500	0.0451		mg/Kg		90	65 - 122
Bromodichloromethane	0.0500	0.0416		mg/Kg		83	69 - 120
Bromoform	0.0500	0.0333		mg/Kg		67	56 - 132
Bromomethane	0.0500	0.0524		mg/Kg		105	40 - 152

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-592413/4**  
**Matrix: Solid**  
**Analysis Batch: 592413**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0469		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0457		mg/Kg		91	70 - 120
Chloroethane	0.0500	0.0595		mg/Kg		119	48 - 136
Chloroform	0.0500	0.0442		mg/Kg		88	70 - 120
Chloromethane	0.0500	0.0555		mg/Kg		111	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0428		mg/Kg		86	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0404		mg/Kg		81	64 - 127
Dibromochloromethane	0.0500	0.0368		mg/Kg		74	68 - 125
Dibromomethane	0.0500	0.0429		mg/Kg		86	70 - 120
Dichlorodifluoromethane	0.0500	0.0497		mg/Kg		99	40 - 159
Ethylbenzene	0.0500	0.0485		mg/Kg		97	70 - 123
Hexachlorobutadiene	0.0500	0.0465		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0429		mg/Kg		86	70 - 126
Methyl tert-butyl ether	0.0500	0.0469		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0411		mg/Kg		82	69 - 125
Naphthalene	0.0500	0.0355		mg/Kg		71	53 - 144
n-Butylbenzene	0.0500	0.0455		mg/Kg		91	68 - 125
N-Propylbenzene	0.0500	0.0435		mg/Kg		87	69 - 127
p-Isopropyltoluene	0.0500	0.0461		mg/Kg		92	70 - 125
sec-Butylbenzene	0.0500	0.0448		mg/Kg		90	70 - 123
Styrene	0.0500	0.0440		mg/Kg		88	70 - 120
tert-Butylbenzene	0.0500	0.0435		mg/Kg		87	70 - 121
Tetrachloroethene	0.0500	0.0471		mg/Kg		94	70 - 128
Toluene	0.0500	0.0451		mg/Kg		90	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0444		mg/Kg		89	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0375		mg/Kg		75	62 - 128
Trichloroethene	0.0500	0.0471		mg/Kg		94	70 - 125
Trichlorofluoromethane	0.0500	0.0456		mg/Kg		91	55 - 128
Vinyl chloride	0.0500	0.0509		mg/Kg		102	64 - 126
Xylenes, Total	0.100	0.0954		mg/Kg		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		75 - 126
4-Bromofluorobenzene (Surr)	85		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	98		75 - 120

**Lab Sample ID: MB 500-592700/6**  
**Matrix: Solid**  
**Analysis Batch: 592700**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/12/21 10:31	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1

Euofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592700/6**  
**Matrix: Solid**  
**Analysis Batch: 592700**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/12/21 10:31	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/12/21 10:31	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/12/21 10:31	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/12/21 10:31	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/12/21 10:31	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/12/21 10:31	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/12/21 10:31	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/12/21 10:31	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/12/21 10:31	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/12/21 10:31	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/12/21 10:31	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/12/21 10:31	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/12/21 10:31	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/12/21 10:31	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/12/21 10:31	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/12/21 10:31	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/12/21 10:31	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/12/21 10:31	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/12/21 10:31	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/12/21 10:31	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/12/21 10:31	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/12/21 10:31	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
Methylene Chloride	0.00213	J	0.0050	0.0016	mg/Kg			04/12/21 10:31	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/12/21 10:31	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/12/21 10:31	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/12/21 10:31	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592700/6**  
**Matrix: Solid**  
**Analysis Batch: 592700**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/12/21 10:31	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/12/21 10:31	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/12/21 10:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		04/12/21 10:31	1
4-Bromofluorobenzene (Surr)	94		72 - 124		04/12/21 10:31	1
Dibromofluoromethane (Surr)	105		75 - 120		04/12/21 10:31	1
Toluene-d8 (Surr)	94		75 - 120		04/12/21 10:31	1

**Lab Sample ID: LCS 500-592700/4**  
**Matrix: Solid**  
**Analysis Batch: 592700**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0460		mg/Kg		92	70 - 125
1,1,1-Trichloroethane	0.0500	0.0442		mg/Kg		88	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0473		mg/Kg		95	62 - 140
1,1,2-Trichloroethane	0.0500	0.0481		mg/Kg		96	71 - 130
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125
1,1-Dichloroethene	0.0500	0.0470		mg/Kg		94	67 - 122
1,1-Dichloropropene	0.0500	0.0458		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0502		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	0.0500	0.0487		mg/Kg		97	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0492		mg/Kg		98	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0453		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0472		mg/Kg		94	56 - 123
1,2-Dibromoethane	0.0500	0.0485		mg/Kg		97	70 - 125
1,2-Dichlorobenzene	0.0500	0.0483		mg/Kg		97	70 - 125
1,2-Dichloroethane	0.0500	0.0468		mg/Kg		94	68 - 127
1,2-Dichloropropane	0.0500	0.0461		mg/Kg		92	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0460		mg/Kg		92	70 - 123
1,3-Dichlorobenzene	0.0500	0.0480		mg/Kg		96	70 - 125
1,3-Dichloropropane	0.0500	0.0473		mg/Kg		95	62 - 136
1,4-Dichlorobenzene	0.0500	0.0476		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0419		mg/Kg		84	58 - 139
2-Chlorotoluene	0.0500	0.0455		mg/Kg		91	70 - 125
4-Chlorotoluene	0.0500	0.0457		mg/Kg		91	68 - 124
Benzene	0.0500	0.0466		mg/Kg		93	70 - 120
Bromobenzene	0.0500	0.0495		mg/Kg		99	70 - 122
Bromochloromethane	0.0500	0.0476		mg/Kg		95	65 - 122
Bromodichloromethane	0.0500	0.0451		mg/Kg		90	69 - 120
Bromoform	0.0500	0.0481		mg/Kg		96	56 - 132
Bromomethane	0.0500	0.0516		mg/Kg		103	40 - 152
Carbon tetrachloride	0.0500	0.0441		mg/Kg		88	59 - 133
Chlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-592700/4**  
**Matrix: Solid**  
**Analysis Batch: 592700**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0542		mg/Kg		108	48 - 136
Chloroform	0.0500	0.0449		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0449		mg/Kg		90	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0445		mg/Kg		89	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0452		mg/Kg		90	64 - 127
Dibromochloromethane	0.0500	0.0461		mg/Kg		92	68 - 125
Dibromomethane	0.0500	0.0470		mg/Kg		94	70 - 120
Dichlorodifluoromethane	0.0500	0.0390		mg/Kg		78	40 - 159
Ethylbenzene	0.0500	0.0451		mg/Kg		90	70 - 123
Hexachlorobutadiene	0.0500	0.0533		mg/Kg		107	51 - 150
Isopropylbenzene	0.0500	0.0463		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0441		mg/Kg		88	55 - 123
Methylene Chloride	0.0500	0.0482		mg/Kg		96	69 - 125
Naphthalene	0.0500	0.0497		mg/Kg		99	53 - 144
n-Butylbenzene	0.0500	0.0461		mg/Kg		92	68 - 125
N-Propylbenzene	0.0500	0.0468		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0466		mg/Kg		93	70 - 125
sec-Butylbenzene	0.0500	0.0467		mg/Kg		93	70 - 123
Styrene	0.0500	0.0457		mg/Kg		91	70 - 120
tert-Butylbenzene	0.0500	0.0468		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0503		mg/Kg		101	70 - 128
Toluene	0.0500	0.0456		mg/Kg		91	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0465		mg/Kg		93	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0439		mg/Kg		88	62 - 128
Trichloroethene	0.0500	0.0492		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0474		mg/Kg		95	55 - 128
Vinyl chloride	0.0500	0.0457		mg/Kg		91	64 - 126
Xylenes, Total	0.100	0.0873		mg/Kg		87	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
Toluene-d8 (Surr)	97		75 - 120

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-592039/1-A**  
**Matrix: Solid**  
**Analysis Batch: 592199**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 592039**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/07/21 07:51	04/08/21 08:47	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro- <i>m</i> -xylene	89		49 - 129	04/07/21 07:51	04/08/21 08:47	1
DCB Decachlorobiphenyl	96		37 - 121	04/07/21 07:51	04/08/21 08:47	1

**Lab Sample ID: LCS 500-592039/2-A**  
**Matrix: Solid**  
**Analysis Batch: 592199**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 592039**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.167	0.155		mg/Kg		93	57 - 120
PCB-1260	0.167	0.153		mg/Kg		92	61 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro- <i>m</i> -xylene	92		49 - 129
DCB Decachlorobiphenyl	106		37 - 121

**Lab Sample ID: 500-197099-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 592199**

**Client Sample ID: WB-Int-9 (0.5'-1.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 592039**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
PCB-1016	<0.0066		0.189	0.175		mg/Kg	✱	93	57 - 120
PCB-1260	<0.0092		0.189	0.184		mg/Kg	✱	97	61 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro- <i>m</i> -xylene	101		49 - 129
DCB Decachlorobiphenyl	127	S1+	37 - 121

**Lab Sample ID: 500-197099-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 592199**

**Client Sample ID: WB-Int-9 (0.5'-1.5')**  
**Prep Type: Total/NA**  
**Prep Batch: 592039**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	
				Result	Qualifier					RPD	Limit
PCB-1016	<0.0066		0.187	0.155		mg/Kg	✱	83	57 - 120	12	30
PCB-1260	<0.0092		0.187	0.157		mg/Kg	✱	84	61 - 125	16	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Tetrachloro- <i>m</i> -xylene	92		49 - 129
DCB Decachlorobiphenyl	109		37 - 121

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-9 (0.5'-1.5')**

**Date Collected: 04/02/21 14:40**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-1**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-9 (0.5'-1.5')**

**Date Collected: 04/02/21 14:40**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-1**

**Matrix: Solid**

**Percent Solids: 87.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 16:37	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 09:18	JBj	TAL CHI

**Client Sample ID: WB-Int-10 (0.5'-1.5')**

**Date Collected: 04/02/21 11:40**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-2**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-10 (0.5'-1.5')**

**Date Collected: 04/02/21 11:40**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-2**

**Matrix: Solid**

**Percent Solids: 87.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 17:05	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:04	JBj	TAL CHI

**Client Sample ID: WB-Int-11 (0.5'-1.5')**

**Date Collected: 04/02/21 12:25**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-3**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-11 (0.5'-1.5')**

**Date Collected: 04/02/21 12:25**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-3**

**Matrix: Solid**

**Percent Solids: 87.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 12:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 17:33	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:20	JBj	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-12 (0.5'-1.5')**

Date Collected: 04/02/21 12:55

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-4**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-12 (0.5'-1.5')**

Date Collected: 04/02/21 12:55

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-4**

Matrix: Solid

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 12:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:00	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:35	JBj	TAL CHI

**Client Sample ID: WB-Int-13 (0.5'-1.5')**

Date Collected: 04/02/21 13:05

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-5**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-13 (0.5'-1.5')**

Date Collected: 04/02/21 13:05

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-5**

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:28	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:51	JBj	TAL CHI

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

Date Collected: 04/02/21 13:15

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-6**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-14 (0.5'-1.5')**

Date Collected: 04/02/21 13:15

Date Received: 04/06/21 08:40

**Lab Sample ID: 500-197099-6**

Matrix: Solid

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:56	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 11:06	JBj	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-15 (0.5'-1.5')**

**Date Collected: 04/02/21 13:25**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-7**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-15 (0.5'-1.5')**

**Date Collected: 04/02/21 13:25**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-7**

**Matrix: Solid**

**Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 11:24	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 11:22	JBj	TAL CHI

**Client Sample ID: WB-Int-16 (0.5'-1.5')**

**Date Collected: 04/02/21 13:50**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-8**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-16 (0.5'-1.5')**

**Date Collected: 04/02/21 13:50**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-8**

**Matrix: Solid**

**Percent Solids: 85.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 11:51	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		10	592199	04/08/21 11:37	JBj	TAL CHI

**Client Sample ID: WB-Int-17 (0.5'-1.5')**

**Date Collected: 04/02/21 14:20**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-9**

**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-17 (0.5'-1.5')**

**Date Collected: 04/02/21 14:20**

**Date Received: 04/06/21 08:40**

**Lab Sample ID: 500-197099-9**

**Matrix: Solid**

**Percent Solids: 85.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 14:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 12:17	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		5	592199	04/08/21 11:53	JBj	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-1 (0.5'-1.5')**

**Lab Sample ID: 500-197099-10**

Date Collected: 04/05/21 14:15

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-1 (0.5'-1.5')**

**Lab Sample ID: 500-197099-10**

Date Collected: 04/05/21 14:15

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 14:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 12:44	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:08	JBj	TAL CHI

**Client Sample ID: WB-Int-2 (0.5'-1.5')**

**Lab Sample ID: 500-197099-11**

Date Collected: 04/05/21 14:00

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-2 (0.5'-1.5')**

**Lab Sample ID: 500-197099-11**

Date Collected: 04/05/21 14:00

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 14:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 13:11	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:24	JBj	TAL CHI

**Client Sample ID: WB-Int-3 (0.5'-1.5')**

**Lab Sample ID: 500-197099-12**

Date Collected: 04/05/21 13:40

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-3 (0.5'-1.5')**

**Lab Sample ID: 500-197099-12**

Date Collected: 04/05/21 13:40

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 13:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 13:37	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:39	JBj	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-4 (0.5'-1.5')**

**Lab Sample ID: 500-197099-13**

Date Collected: 04/05/21 13:05

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-4 (0.5'-1.5')**

**Lab Sample ID: 500-197099-13**

Date Collected: 04/05/21 13:05

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 13:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:04	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:54	JBj	TAL CHI

**Client Sample ID: WB-Int-5 (0.5'-1.5')**

**Lab Sample ID: 500-197099-14**

Date Collected: 04/05/21 12:50

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-5 (0.5'-1.5')**

**Lab Sample ID: 500-197099-14**

Date Collected: 04/05/21 12:50

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 12:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:31	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:10	JBj	TAL CHI

**Client Sample ID: WB-Int-6 (0.5'-1.5')**

**Lab Sample ID: 500-197099-15**

Date Collected: 04/05/21 11:40

Matrix: Solid

Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-6 (0.5'-1.5')**

**Lab Sample ID: 500-197099-15**

Date Collected: 04/05/21 11:40

Matrix: Solid

Date Received: 04/06/21 08:40

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:58	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:25	JBj	TAL CHI

# Lab Chronicle

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

**Client Sample ID: WB-Int-7 (0.5'-1.5')**

**Lab Sample ID: 500-197099-16**

**Date Collected: 04/05/21 11:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-7 (0.5'-1.5')**

**Lab Sample ID: 500-197099-16**

**Date Collected: 04/05/21 11:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 89.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 15:24	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:41	JBj	TAL CHI

**Client Sample ID: WB-Int-8 (0.5'-1.5')**

**Lab Sample ID: 500-197099-17**

**Date Collected: 04/05/21 11:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

**Client Sample ID: WB-Int-8 (0.5'-1.5')**

**Lab Sample ID: 500-197099-17**

**Date Collected: 04/05/21 11:20**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

**Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 15:51	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:56	JBj	TAL CHI

**Client Sample ID: TB**

**Lab Sample ID: 500-197099-18**

**Date Collected: 04/05/21 00:00**

**Matrix: Solid**

**Date Received: 04/06/21 08:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 10:57	PMF	TAL CHI

**Laboratory References:**

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

## Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

- 1
- 2
- 3
- 4
- 5
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- 7
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- 9
- 10
- 11
- 12
- 13
- 14
- 15



500-197099

Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	Telephone # (incl area code) (262) 821 1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor Limited Partnership	Property Address 2727 N 32nd Street Milwaukee WI 53210	Telephone # (incl area code) N/A	KSingh Project # 40443

I hereby certify that I received, properly and disposed of the samples as noted below

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 4/5/21 @ 1545	Received By (Signature) <i>[Signature]</i>	Temperature Blank: If samples were received on ice and there was ice remaining you may report the temperature as received on ice. If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 4-5-21 1700	Received By (Signature) <i>[Signature]</i> 4/6/21 1020	

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW) etc  
2 Sample description must clearly correlate the sample I.D. to the sampling location

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Date Collected	Time Collected	Samples		Location/Description (2)	VOCs	PCBs	Sample Condition									
		Type (1)	Device				# / Type of Container				Unpres	Other Comment				
							MeOH		--							
4/5/2021	14 15	S	H A	WB-Int 1 (0.5' 1.5')	x	x						1			2	
4/5/2021	14:00	S	H A.	WB Int-2 (0.5' 1.5')	x	x						1			2	
4/5/2021	13.40	S	H A.	WB-Int-3 (0.5' 1.5')	x	x						1			2	
4/5/2021	13 05	S	H.A	WB-Int-4 (0.5' 1.5')	x	x						1			2	
4/5/2021	12 50	S	H.A	WB-Int 5 (0.5' 1.5')	x	x						1			2	
4/5/2021	11 40	S	H.A	WB-Int-6 (0.5' 1.5')	x	x						1			2	
4/5/2021	11:00	S	H A	WB-Int 7 (0.5' 1.5')	x	x						1			2	
4/5/2021	11:20	S	H A	WB-Int-8 (0.5' 1.5')	x	x						1			2	
4/5/2021		S		TB	x							1				

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES		DEPARTMENT USE ONLY	
Disposition of unused portion of sample Laboratory should (check) <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for _____ (days) <input type="checkbox"/> Other		Split Samples   Offered <input type="checkbox"/> Y <input type="checkbox"/> N   Accepted By: _____ Accepted <input type="checkbox"/> Y <input type="checkbox"/> N   Signature: _____	

# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-197099-1

**Login Number: 197099**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-195567-1

Client Project/Site: Community Within the Corridor - 40420

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

*Jodie Bracken*

Authorized for release by:  
3/10/2021 1:04:31 PM

Jodie Bracken, Project Management Assistant II  
[Jodie.Bracken@Eurofinset.com](mailto:Jodie.Bracken@Eurofinset.com)

Designee for

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

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## Job ID: 500-195567-1

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### Laboratory: Eurofins TestAmerica, Chicago

#### Narrative

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#### Job Narrative 500-195567-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 3/4/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.6° C and 0.1° C.

#### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### GC/MS Semi VOA

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-587481 and analytical batch 500-587569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8082A: The following sample was reported from the primary column due to PCB-1260 and Tetrachloro-m-xylene recovering outside control limits for the continuing calibration verification (CCV) on the secondary column; therefore, the higher of the two results have been reported.  
(CCVIS 500-587587/1)

Method 8082A: The following sample(s) contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1242: WB-RTS-1 (500-195567-1).

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: (CCVIS 500-587587/1). The other surrogate was within limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.027		0.017	0.0097	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.019	J	0.033	0.011	mg/Kg	50	✳	8260B	Total/NA
1-Methylnaphthalene	0.018	J	0.079	0.0096	mg/Kg	1	✳	8270D	Total/NA
2-Methylnaphthalene	0.022	J	0.079	0.0072	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]anthracene	0.021	J	0.039	0.0053	mg/Kg	1	✳	8270D	Total/NA
Benzo[a]pyrene	0.020	J	0.039	0.0076	mg/Kg	1	✳	8270D	Total/NA
Benzo[b]fluoranthene	0.030	J	0.039	0.0085	mg/Kg	1	✳	8270D	Total/NA
Benzo[g,h,i]perylene	0.015	J F1	0.039	0.013	mg/Kg	1	✳	8270D	Total/NA
Chrysene	0.034	J	0.039	0.011	mg/Kg	1	✳	8270D	Total/NA
Fluoranthene	0.044		0.039	0.0073	mg/Kg	1	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.017	J F1	0.039	0.010	mg/Kg	1	✳	8270D	Total/NA
Naphthalene	0.014	J	0.039	0.0060	mg/Kg	1	✳	8270D	Total/NA
Phenanthrene	0.052		0.039	0.0055	mg/Kg	1	✳	8270D	Total/NA
Pyrene	0.041		0.039	0.0078	mg/Kg	1	✳	8270D	Total/NA
PCB-1242	0.071		0.020	0.0064	mg/Kg	1	✳	8082A	Total/NA
Arsenic	5.5		1.2	0.40	mg/Kg	1	✳	6010B	Total/NA
Barium	69		1.2	0.13	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.31		0.23	0.042	mg/Kg	1	✳	6010B	Total/NA
Chromium	15		1.2	0.57	mg/Kg	1	✳	6010B	Total/NA
Lead	14		0.58	0.27	mg/Kg	1	✳	6010B	Total/NA
Silver	0.27	J	0.58	0.15	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.049		0.019	0.0062	mg/Kg	1	✳	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471A	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471A	Preparation, Mercury	SW846	TAL CHI

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195567-1	WB-RTS-1	Solid	03/03/21 14:30	03/04/21 10:00	

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

**Date Collected: 03/03/21 14:30**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 84.5**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.031		0.066	0.031	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2-Dibromoethane	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,3-Dichlorobenzene	<0.027		0.066	0.027	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Benzene	<0.0097		0.017	0.0097	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Bromobenzene	<0.024		0.066	0.024	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Bromoform	<0.032		0.066	0.032	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Chlorobenzene	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Chloroform	<0.025		0.13	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
cis-1,3-Dichloropropene	<0.028		0.066	0.028	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Dichlorodifluoromethane	<0.045		0.20	0.045	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Ethylbenzene	<0.012		0.017	0.012	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Hexachlorobutadiene	<0.030		0.066	0.030	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	✱	03/03/21 14:30	03/09/21 16:47	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

**Date Collected: 03/03/21 14:30**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 84.5**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Styrene	<0.026		0.066	0.026	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Tetrachloroethene	<0.025		0.066	0.025	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
<b>Toluene</b>	<b>0.027</b>		0.017	0.0097	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
<b>Trichloroethene</b>	<b>0.019 J</b>		0.033	0.011	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	✳	03/03/21 14:30	03/09/21 16:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126				03/03/21 14:30	03/09/21 16:47	50
4-Bromofluorobenzene (Surr)	95		72 - 124				03/03/21 14:30	03/09/21 16:47	50
Dibromofluoromethane (Surr)	94		75 - 120				03/03/21 14:30	03/09/21 16:47	50
Toluene-d8 (Surr)	97		75 - 120				03/03/21 14:30	03/09/21 16:47	50

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1-Methylnaphthalene</b>	<b>0.018 J</b>		0.079	0.0096	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>2-Methylnaphthalene</b>	<b>0.022 J</b>		0.079	0.0072	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Benzo[a]anthracene</b>	<b>0.021 J</b>		0.039	0.0053	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Benzo[a]pyrene</b>	<b>0.020 J</b>		0.039	0.0076	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Benzo[b]fluoranthene</b>	<b>0.030 J</b>		0.039	0.0085	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Benzo[g,h,i]perylene</b>	<b>0.015 J F1</b>		0.039	0.013	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Chrysene</b>	<b>0.034 J</b>		0.039	0.011	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Fluoranthene</b>	<b>0.044</b>		0.039	0.0073	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Fluorene	<0.0055		0.039	0.0055	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.017 J F1</b>		0.039	0.010	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Naphthalene</b>	<b>0.014 J</b>		0.039	0.0060	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Phenanthrene</b>	<b>0.052</b>		0.039	0.0055	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
<b>Pyrene</b>	<b>0.041</b>		0.039	0.0078	mg/Kg	✳	03/05/21 16:38	03/08/21 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		43 - 145				03/05/21 16:38	03/08/21 11:39	1
Nitrobenzene-d5 (Surr)	81		37 - 147				03/05/21 16:38	03/08/21 11:39	1
Terphenyl-d14 (Surr)	83		42 - 157				03/05/21 16:38	03/08/21 11:39	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0069		0.020	0.0069	mg/Kg	✳	03/05/21 17:01	03/08/21 11:19	1
PCB-1221	<0.0086		0.020	0.0086	mg/Kg	✳	03/05/21 17:01	03/08/21 11:19	1
PCB-1232	<0.0085		0.020	0.0085	mg/Kg	✳	03/05/21 17:01	03/08/21 11:19	1
<b>PCB-1242</b>	<b>0.071</b>		0.020	0.0064	mg/Kg	✳	03/05/21 17:01	03/08/21 11:19	1

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

**Date Collected: 03/03/21 14:30**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 84.5**

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0077		0.020	0.0077	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1254	<0.0042		0.020	0.0042	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1260	<0.0096		0.020	0.0096	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		49 - 129				03/05/21 17:01	03/08/21 11:19	1
DCB Decachlorobiphenyl	72		37 - 121				03/05/21 17:01	03/08/21 11:19	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<b>5.5</b>		1.2	0.40	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Barium	<b>69</b>		1.2	0.13	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Cadmium	<b>0.31</b>		0.23	0.042	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Chromium	<b>15</b>		1.2	0.57	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Lead	<b>14</b>		0.58	0.27	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Selenium	<0.68		1.2	0.68	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Silver	<b>0.27</b>	J	0.58	0.15	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<b>0.049</b>		0.019	0.0062	mg/Kg	☼	03/09/21 13:20	03/10/21 08:52	1

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# QC Association Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## GC/MS VOA

### Prep Batch: 587361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	5035	
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	5035	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 587741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	8260B	587361
MB 500-587741/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	8260B	587361
LCS 500-587741/5	Lab Control Sample	Total/NA	Solid	8260B	

### Analysis Batch: 587750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8260B	587361
MB 500-587750/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-587750/5	Lab Control Sample	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 587481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3541	
MB 500-587481/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587481/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-195567-1 MS	WB-RTS-1	Total/NA	Solid	3541	
500-195567-1 MSD	WB-RTS-1	Total/NA	Solid	3541	

### Analysis Batch: 587569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8270D	587481
MB 500-587481/1-A	Method Blank	Total/NA	Solid	8270D	587481
LCS 500-587481/2-A	Lab Control Sample	Total/NA	Solid	8270D	587481
500-195567-1 MS	WB-RTS-1	Total/NA	Solid	8270D	587481
500-195567-1 MSD	WB-RTS-1	Total/NA	Solid	8270D	587481

## GC Semi VOA

### Prep Batch: 587482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3541	
MB 500-587482/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587482/3-A	Lab Control Sample	Total/NA	Solid	3541	

### Analysis Batch: 587587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8082A	587482
MB 500-587482/1-A	Method Blank	Total/NA	Solid	8082A	587482
LCS 500-587482/3-A	Lab Control Sample	Total/NA	Solid	8082A	587482

# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Metals

### Prep Batch: 587371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3050B	
MB 500-587371/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-587371/2-A	Lab Control Sample	Total/NA	Solid	3050B	

### Analysis Batch: 587559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	6010B	587371
MB 500-587371/1-A	Method Blank	Total/NA	Solid	6010B	587371
LCS 500-587371/2-A	Lab Control Sample	Total/NA	Solid	6010B	587371

### Prep Batch: 587775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	7471A	
MB 500-587775/12-A	Method Blank	Total/NA	Solid	7471A	
LCS 500-587775/13-A	Lab Control Sample	Total/NA	Solid	7471A	

### Analysis Batch: 587968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	7471A	587775
MB 500-587775/12-A	Method Blank	Total/NA	Solid	7471A	587775
LCS 500-587775/13-A	Lab Control Sample	Total/NA	Solid	7471A	587775

## General Chemistry

### Analysis Batch: 587279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-195567-1	WB-RTS-1	106	95	94	97
LB3 500-587361/6-A	Method Blank	85	106	91	100
LCS 500-587361/7-A	Lab Control Sample	79	101	91	104
LCS 500-587741/5	Lab Control Sample	82	100	92	102
LCS 500-587750/5	Lab Control Sample	100	96	96	100
MB 500-587741/7	Method Blank	84	116	94	104
MB 500-587750/7	Method Blank	103	99	96	97

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-195567-1	WB-RTS-1	82	81	83
500-195567-1 MS	WB-RTS-1	86	91	92
500-195567-1 MSD	WB-RTS-1	88	95	93
LCS 500-587481/2-A	Lab Control Sample	89	93	97
MB 500-587481/1-A	Method Blank	85	84	92

### Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-195567-1	WB-RTS-1	74	72
LCS 500-587482/3-A	Lab Control Sample	71	73
MB 500-587482/1-A	Method Blank	63	62

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: LB3 500-587361/6-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LB3 500-587361/6-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	85		75 - 126	03/04/21 22:20	03/09/21 13:23	50
4-Bromofluorobenzene (Surr)	106		72 - 124	03/04/21 22:20	03/09/21 13:23	50
Dibromofluoromethane (Surr)	91		75 - 120	03/04/21 22:20	03/09/21 13:23	50
Toluene-d8 (Surr)	100		75 - 120	03/04/21 22:20	03/09/21 13:23	50

**Lab Sample ID: LCS 500-587361/7-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.53		mg/Kg		101	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.41		mg/Kg		97	62 - 140
1,1,2-Trichloroethane	2.50	2.39		mg/Kg		95	71 - 130
1,1-Dichloroethane	2.50	2.15		mg/Kg		86	70 - 125
1,1-Dichloroethene	2.50	2.19		mg/Kg		88	67 - 122
1,1-Dichloropropene	2.50	2.51		mg/Kg		101	70 - 121
1,2,3-Trichlorobenzene	2.50	2.39		mg/Kg		96	51 - 145
1,2,3-Trichloropropane	2.50	2.33		mg/Kg		93	50 - 133
1,2,4-Trichlorobenzene	2.50	2.53		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.58		mg/Kg		103	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.85		mg/Kg		74	56 - 123
1,2-Dibromoethane	2.50	2.40		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	2.50	2.45		mg/Kg		98	70 - 125
1,2-Dichloroethane	2.50	2.04		mg/Kg		82	68 - 127
1,2-Dichloropropane	2.50	2.25		mg/Kg		90	67 - 130
1,3,5-Trimethylbenzene	2.50	2.63		mg/Kg		105	70 - 123
1,3-Dichlorobenzene	2.50	2.59		mg/Kg		104	70 - 125
1,3-Dichloropropane	2.50	2.42		mg/Kg		97	62 - 136
1,4-Dichlorobenzene	2.50	2.50		mg/Kg		100	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.60		mg/Kg		104	70 - 125
4-Chlorotoluene	2.50	2.53		mg/Kg		101	68 - 124
Benzene	2.50	2.40		mg/Kg		96	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-587361/7-A**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587361**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.60		mg/Kg		104	70 - 122
Bromochloromethane	2.50	2.44		mg/Kg		97	65 - 122
Bromodichloromethane	2.50	2.26		mg/Kg		90	69 - 120
Bromoform	2.50	2.26		mg/Kg		90	56 - 132
Bromomethane	2.50	1.49		mg/Kg		60	40 - 152
Carbon tetrachloride	2.50	2.27		mg/Kg		91	59 - 133
Chlorobenzene	2.50	2.61		mg/Kg		104	70 - 120
Chloroethane	2.50	1.97		mg/Kg		79	48 - 136
Chloroform	2.50	2.26		mg/Kg		91	70 - 120
Chloromethane	2.50	1.44		mg/Kg		58	56 - 152
cis-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	2.50	2.38		mg/Kg		95	64 - 127
Dibromochloromethane	2.50	2.38		mg/Kg		95	68 - 125
Dibromomethane	2.50	2.26		mg/Kg		90	70 - 120
Dichlorodifluoromethane	2.50	1.20		mg/Kg		48	40 - 159
Ethylbenzene	2.50	2.80		mg/Kg		112	70 - 123
Hexachlorobutadiene	2.50	2.80		mg/Kg		112	51 - 150
Isopropylbenzene	2.50	2.77		mg/Kg		111	70 - 126
Methyl tert-butyl ether	2.50	2.04		mg/Kg		82	55 - 123
Methylene Chloride	2.50	2.20		mg/Kg		88	69 - 125
Naphthalene	2.50	2.23		mg/Kg		89	53 - 144
n-Butylbenzene	2.50	2.67		mg/Kg		107	68 - 125
N-Propylbenzene	2.50	2.67		mg/Kg		107	69 - 127
p-Isopropyltoluene	2.50	2.68		mg/Kg		107	70 - 125
sec-Butylbenzene	2.50	2.71		mg/Kg		109	70 - 123
Styrene	2.50	2.52		mg/Kg		101	70 - 120
tert-Butylbenzene	2.50	2.69		mg/Kg		108	70 - 121
Tetrachloroethene	2.50	2.86		mg/Kg		114	70 - 128
Toluene	2.50	2.63		mg/Kg		105	70 - 125
trans-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	2.50	2.20		mg/Kg		88	62 - 128
Trichloroethene	2.50	2.61		mg/Kg		104	70 - 125
Trichlorofluoromethane	2.50	2.05		mg/Kg		82	55 - 128
Vinyl chloride	2.50	1.73		mg/Kg		69	64 - 126
Xylenes, Total	5.00	4.98		mg/Kg		100	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	79		75 - 126
4-Bromofluorobenzene (Surr)	101		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
Toluene-d8 (Surr)	104		75 - 120

**Lab Sample ID: MB 500-587741/7**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 12:33	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587741/7**

**Matrix: Solid**

**Analysis Batch: 587741**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
1,1,1,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/09/21 12:33	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 12:33	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/09/21 12:33	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/09/21 12:33	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/09/21 12:33	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/09/21 12:33	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/09/21 12:33	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/09/21 12:33	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/09/21 12:33	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/09/21 12:33	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/09/21 12:33	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/09/21 12:33	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/09/21 12:33	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/09/21 12:33	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/09/21 12:33	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/09/21 12:33	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/09/21 12:33	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/09/21 12:33	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/09/21 12:33	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/09/21 12:33	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587741/7**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/09/21 12:33	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/09/21 12:33	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/09/21 12:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	84		75 - 126		03/09/21 12:33	1
4-Bromofluorobenzene (Surr)	116		72 - 124		03/09/21 12:33	1
Dibromofluoromethane (Surr)	94		75 - 120		03/09/21 12:33	1
Toluene-d8 (Surr)	104		75 - 120		03/09/21 12:33	1

**Lab Sample ID: LCS 500-587741/5**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.0500	0.0498		mg/Kg		100	70 - 125
1,1,1-Trichloroethane	0.0500	0.0514		mg/Kg		103	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0463		mg/Kg		93	62 - 140
1,1,2-Trichloroethane	0.0500	0.0462		mg/Kg		92	71 - 130
1,1-Dichloroethane	0.0500	0.0428		mg/Kg		86	70 - 125
1,1-Dichloroethene	0.0500	0.0467		mg/Kg		93	67 - 122
1,1-Dichloropropene	0.0500	0.0492		mg/Kg		98	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0407		mg/Kg		81	51 - 145
1,2,3-Trichloropropane	0.0500	0.0446		mg/Kg		89	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0439		mg/Kg		88	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0361		mg/Kg		72	56 - 123
1,2-Dibromoethane	0.0500	0.0461		mg/Kg		92	70 - 125
1,2-Dichlorobenzene	0.0500	0.0478		mg/Kg		96	70 - 125
1,2-Dichloroethane	0.0500	0.0410		mg/Kg		82	68 - 127
1,2-Dichloropropane	0.0500	0.0439		mg/Kg		88	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0499		mg/Kg		100	70 - 123
1,3-Dichlorobenzene	0.0500	0.0499		mg/Kg		100	70 - 125
1,3-Dichloropropane	0.0500	0.0461		mg/Kg		92	62 - 136
1,4-Dichlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
2,2-Dichloropropane	0.0500	0.0548		mg/Kg		110	58 - 139
2-Chlorotoluene	0.0500	0.0496		mg/Kg		99	70 - 125
4-Chlorotoluene	0.0500	0.0473		mg/Kg		95	68 - 124
Benzene	0.0500	0.0471		mg/Kg		94	70 - 120
Bromobenzene	0.0500	0.0491		mg/Kg		98	70 - 122
Bromochloromethane	0.0500	0.0501		mg/Kg		100	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-587741/5**  
**Matrix: Solid**  
**Analysis Batch: 587741**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0459		mg/Kg		92	69 - 120
Bromoform	0.0500	0.0471		mg/Kg		94	56 - 132
Bromomethane	0.0500	0.0549		mg/Kg		110	40 - 152
Carbon tetrachloride	0.0500	0.0469		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0503		mg/Kg		101	70 - 120
Chloroethane	0.0500	0.0465		mg/Kg		93	48 - 136
Chloroform	0.0500	0.0448		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0388		mg/Kg		78	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0478		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0466		mg/Kg		93	64 - 127
Dibromochloromethane	0.0500	0.0481		mg/Kg		96	68 - 125
Dibromomethane	0.0500	0.0450		mg/Kg		90	70 - 120
Dichlorodifluoromethane	0.0500	0.0471		mg/Kg		94	40 - 159
Ethylbenzene	0.0500	0.0529		mg/Kg		106	70 - 123
Hexachlorobutadiene	0.0500	0.0489		mg/Kg		98	51 - 150
Isopropylbenzene	0.0500	0.0528		mg/Kg		106	70 - 126
Methyl tert-butyl ether	0.0500	0.0412		mg/Kg		82	55 - 123
Methylene Chloride	0.0500	0.0453		mg/Kg		91	69 - 125
Naphthalene	0.0500	0.0388		mg/Kg		78	53 - 144
n-Butylbenzene	0.0500	0.0498		mg/Kg		100	68 - 125
N-Propylbenzene	0.0500	0.0502		mg/Kg		100	69 - 127
p-Isopropyltoluene	0.0500	0.0509		mg/Kg		102	70 - 125
sec-Butylbenzene	0.0500	0.0516		mg/Kg		103	70 - 123
Styrene	0.0500	0.0484		mg/Kg		97	70 - 120
tert-Butylbenzene	0.0500	0.0511		mg/Kg		102	70 - 121
Tetrachloroethene	0.0500	0.0549		mg/Kg		110	70 - 128
Toluene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0428		mg/Kg		86	62 - 128
Trichloroethene	0.0500	0.0511		mg/Kg		102	70 - 125
Trichlorofluoromethane	0.0500	0.0459		mg/Kg		92	55 - 128
Vinyl chloride	0.0500	0.0448		mg/Kg		90	64 - 126
Xylenes, Total	0.100	0.0956		mg/Kg		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane (Surr)	92		75 - 120
Toluene-d8 (Surr)	102		75 - 120

**Lab Sample ID: MB 500-587750/7**  
**Matrix: Solid**  
**Analysis Batch: 587750**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 11:50	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587750/7**

**Matrix: Solid**

**Analysis Batch: 587750**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/09/21 11:50	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 11:50	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/09/21 11:50	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/09/21 11:50	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/09/21 11:50	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 11:50	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/09/21 11:50	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/09/21 11:50	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 11:50	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 11:50	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/09/21 11:50	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/09/21 11:50	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/09/21 11:50	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/09/21 11:50	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/09/21 11:50	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/09/21 11:50	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/09/21 11:50	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/09/21 11:50	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/09/21 11:50	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/09/21 11:50	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/09/21 11:50	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/09/21 11:50	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/09/21 11:50	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 11:50	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587750/7**  
**Matrix: Solid**  
**Analysis Batch: 587750**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 11:50	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 11:50	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/09/21 11:50	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/09/21 11:50	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/09/21 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		03/09/21 11:50	1
4-Bromofluorobenzene (Surr)	99		72 - 124		03/09/21 11:50	1
Dibromofluoromethane (Surr)	96		75 - 120		03/09/21 11:50	1
Toluene-d8 (Surr)	97		75 - 120		03/09/21 11:50	1

**Lab Sample ID: LCS 500-587750/5**  
**Matrix: Solid**  
**Analysis Batch: 587750**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,1,1-Trichloroethane	0.0500	0.0483		mg/Kg		97	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0474		mg/Kg		95	62 - 140
1,1,2-Trichloroethane	0.0500	0.0487		mg/Kg		97	71 - 130
1,1-Dichloroethane	0.0500	0.0503		mg/Kg		101	70 - 125
1,1-Dichloroethene	0.0500	0.0486		mg/Kg		97	67 - 122
1,1-Dichloropropene	0.0500	0.0474		mg/Kg		95	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0507		mg/Kg		101	51 - 145
1,2,3-Trichloropropane	0.0500	0.0478		mg/Kg		96	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0492		mg/Kg		98	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0367		mg/Kg		73	56 - 123
1,2-Dibromoethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	0.0500	0.0456		mg/Kg		91	70 - 125
1,2-Dichloroethane	0.0500	0.0479		mg/Kg		96	68 - 127
1,2-Dichloropropane	0.0500	0.0504		mg/Kg		101	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0472		mg/Kg		94	70 - 125
1,3-Dichloropropane	0.0500	0.0472		mg/Kg		94	62 - 136
1,4-Dichlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 120
2,2-Dichloropropane	0.0500	0.0500		mg/Kg		100	58 - 139
2-Chlorotoluene	0.0500	0.0480		mg/Kg		96	70 - 125
4-Chlorotoluene	0.0500	0.0480		mg/Kg		96	68 - 124
Benzene	0.0500	0.0483		mg/Kg		97	70 - 120
Bromobenzene	0.0500	0.0482		mg/Kg		96	70 - 122
Bromochloromethane	0.0500	0.0468		mg/Kg		94	65 - 122
Bromodichloromethane	0.0500	0.0447		mg/Kg		89	69 - 120
Bromoform	0.0500	0.0433		mg/Kg		87	56 - 132

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-587750/5**  
**Matrix: Solid**  
**Analysis Batch: 587750**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0561		mg/Kg		112	40 - 152
Carbon tetrachloride	0.0500	0.0477		mg/Kg		95	59 - 133
Chlorobenzene	0.0500	0.0485		mg/Kg		97	70 - 120
Chloroethane	0.0500	0.0521		mg/Kg		104	48 - 136
Chloroform	0.0500	0.0447		mg/Kg		89	70 - 120
Chloromethane	0.0500	0.0520		mg/Kg		104	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0480		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0459		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0434		mg/Kg		87	68 - 125
Dibromomethane	0.0500	0.0479		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0554		mg/Kg		111	40 - 159
Ethylbenzene	0.0500	0.0489		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0463		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0492		mg/Kg		98	70 - 126
Methyl tert-butyl ether	0.0500	0.0431		mg/Kg		86	55 - 123
Methylene Chloride	0.0500	0.0475		mg/Kg		95	69 - 125
Naphthalene	0.0500	0.0456		mg/Kg		91	53 - 144
n-Butylbenzene	0.0500	0.0486		mg/Kg		97	68 - 125
N-Propylbenzene	0.0500	0.0489		mg/Kg		98	69 - 127
p-Isopropyltoluene	0.0500	0.0482		mg/Kg		96	70 - 125
sec-Butylbenzene	0.0500	0.0478		mg/Kg		96	70 - 123
Styrene	0.0500	0.0489		mg/Kg		98	70 - 120
tert-Butylbenzene	0.0500	0.0472		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0494		mg/Kg		99	70 - 128
Toluene	0.0500	0.0497		mg/Kg		99	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0441		mg/Kg		88	62 - 128
Trichloroethene	0.0500	0.0488		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0464		mg/Kg		93	55 - 128
Vinyl chloride	0.0500	0.0561		mg/Kg		112	64 - 126
Xylenes, Total	0.100	0.0968		mg/Kg		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		75 - 126
4-Bromofluorobenzene (Surr)	96		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	100		75 - 120

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 500-587481/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587481**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		03/05/21 16:38	03/08/21 11:13	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-587481/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587481**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Anthracene	<0.0056		0.033	0.0056	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		03/05/21 16:38	03/08/21 11:13	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	85		43 - 145	03/05/21 16:38	03/08/21 11:13	1
Nitrobenzene-d5 (Surr)	84		37 - 147	03/05/21 16:38	03/08/21 11:13	1
Terphenyl-d14 (Surr)	92		42 - 157	03/05/21 16:38	03/08/21 11:13	1

**Lab Sample ID: LCS 500-587481/2-A**  
**Matrix: Solid**  
**Analysis Batch: 587569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587481**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	1.33	1.12		mg/Kg		84	68 - 111
2-Methylnaphthalene	1.33	1.14		mg/Kg		85	69 - 112
Acenaphthene	1.33	1.17		mg/Kg		88	65 - 124
Acenaphthylene	1.33	1.17		mg/Kg		88	68 - 120
Anthracene	1.33	1.15		mg/Kg		86	70 - 114
Benzo[a]anthracene	1.33	1.19		mg/Kg		89	67 - 122
Benzo[a]pyrene	1.33	1.24		mg/Kg		93	65 - 133
Benzo[b]fluoranthene	1.33	1.21		mg/Kg		91	69 - 129
Benzo[g,h,i]perylene	1.33	1.21		mg/Kg		90	72 - 131
Benzo[k]fluoranthene	1.33	1.23		mg/Kg		92	68 - 127
Chrysene	1.33	1.24		mg/Kg		93	63 - 120
Dibenz(a,h)anthracene	1.33	1.27		mg/Kg		95	64 - 131
Fluoranthene	1.33	1.21		mg/Kg		91	62 - 120
Fluorene	1.33	1.13		mg/Kg		85	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.23		mg/Kg		92	68 - 130
Naphthalene	1.33	1.14		mg/Kg		86	63 - 110
Phenanthrene	1.33	1.15		mg/Kg		86	62 - 120
Pyrene	1.33	1.22		mg/Kg		92	61 - 128

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	89		43 - 145
Nitrobenzene-d5 (Surr)	93		37 - 147
Terphenyl-d14 (Surr)	97		42 - 157

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: 500-195567-1 MS**

**Matrix: Solid**

**Analysis Batch: 587569**

**Client Sample ID: WB-RTS-1**

**Prep Type: Total/NA**

**Prep Batch: 587481**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1-Methylnaphthalene	0.018	J	1.57	1.32		mg/Kg	☼	83		68 - 111
2-Methylnaphthalene	0.022	J	1.57	1.34		mg/Kg	☼	84		69 - 112
Acenaphthene	<0.0071		1.57	1.33		mg/Kg	☼	85		65 - 124
Acenaphthylene	<0.0052		1.57	1.33		mg/Kg	☼	85		68 - 120
Anthracene	<0.0066		1.57	1.31		mg/Kg	☼	83		70 - 114
Benzo[a]anthracene	0.021	J	1.57	1.30		mg/Kg	☼	82		67 - 122
Benzo[a]pyrene	0.020	J	1.57	1.28		mg/Kg	☼	80		65 - 133
Benzo[b]fluoranthene	0.030	J	1.57	1.35		mg/Kg	☼	84		69 - 129
Benzo[g,h,i]perylene	0.015	J F1	1.57	0.971	F1	mg/Kg	☼	61		72 - 131
Benzo[k]fluoranthene	<0.012		1.57	1.35		mg/Kg	☼	86		68 - 127
Chrysene	0.034	J	1.57	1.36		mg/Kg	☼	84		63 - 120
Dibenz(a,h)anthracene	<0.0076		1.57	1.12		mg/Kg	☼	71		64 - 131
Fluoranthene	0.044		1.57	1.29		mg/Kg	☼	79		62 - 120
Fluorene	<0.0055		1.57	1.30		mg/Kg	☼	83		62 - 120
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.57	1.06	F1	mg/Kg	☼	67		68 - 130
Naphthalene	0.014	J	1.57	1.33		mg/Kg	☼	84		63 - 110
Phenanthrene	0.052		1.57	1.35		mg/Kg	☼	82		62 - 120
Pyrene	0.041		1.57	1.34		mg/Kg	☼	83		61 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	86		43 - 145
Nitrobenzene-d5 (Surr)	91		37 - 147
Terphenyl-d14 (Surr)	92		42 - 157

**Lab Sample ID: 500-195567-1 MSD**

**Matrix: Solid**

**Analysis Batch: 587569**

**Client Sample ID: WB-RTS-1**

**Prep Type: Total/NA**

**Prep Batch: 587481**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1-Methylnaphthalene	0.018	J	1.57	1.39		mg/Kg	☼	87		68 - 111	5	30
2-Methylnaphthalene	0.022	J	1.57	1.40		mg/Kg	☼	87		69 - 112	4	30
Acenaphthene	<0.0071		1.57	1.41		mg/Kg	☼	90		65 - 124	6	30
Acenaphthylene	<0.0052		1.57	1.39		mg/Kg	☼	88		68 - 120	5	30
Anthracene	<0.0066		1.57	1.35		mg/Kg	☼	86		70 - 114	3	30
Benzo[a]anthracene	0.021	J	1.57	1.37		mg/Kg	☼	86		67 - 122	6	30
Benzo[a]pyrene	0.020	J	1.57	1.36		mg/Kg	☼	85		65 - 133	6	30
Benzo[b]fluoranthene	0.030	J	1.57	1.44		mg/Kg	☼	90		69 - 129	6	30
Benzo[g,h,i]perylene	0.015	J F1	1.57	0.883	F1	mg/Kg	☼	55		72 - 131	9	30
Benzo[k]fluoranthene	<0.012		1.57	1.40		mg/Kg	☼	89		68 - 127	4	30
Chrysene	0.034	J	1.57	1.44		mg/Kg	☼	89		63 - 120	6	30
Dibenz(a,h)anthracene	<0.0076		1.57	1.04		mg/Kg	☼	66		64 - 131	7	30
Fluoranthene	0.044		1.57	1.36		mg/Kg	☼	83		62 - 120	5	30
Fluorene	<0.0055		1.57	1.35		mg/Kg	☼	86		62 - 120	4	30
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.57	0.993	F1	mg/Kg	☼	62		68 - 130	7	30
Naphthalene	0.014	J	1.57	1.41		mg/Kg	☼	89		63 - 110	6	30
Phenanthrene	0.052		1.57	1.40		mg/Kg	☼	86		62 - 120	4	30
Pyrene	0.041		1.57	1.39		mg/Kg	☼	86		61 - 128	4	30

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 500-195567-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 587569**

**Client Sample ID: WB-RTS-1**  
**Prep Type: Total/NA**  
**Prep Batch: 587481**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	88		43 - 145
Nitrobenzene-d5 (Surr)	95		37 - 147
Terphenyl-d14 (Surr)	93		42 - 157

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-587482/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587587**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587482**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/05/21 17:01	03/08/21 10:48	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	63		49 - 129	03/05/21 17:01	03/08/21 10:48	1
DCB Decachlorobiphenyl	62		37 - 121	03/05/21 17:01	03/08/21 10:48	1

**Lab Sample ID: LCS 500-587482/3-A**  
**Matrix: Solid**  
**Analysis Batch: 587587**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587482**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.167	0.120		mg/Kg		72	57 - 120
PCB-1260	0.167	0.124		mg/Kg		74	61 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	71		49 - 129
DCB Decachlorobiphenyl	73		37 - 121

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 500-587371/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587559**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587371**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Barium	<0.11		1.0	0.11	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Cadmium	<0.036		0.20	0.036	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Chromium	<0.50		1.0	0.50	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Lead	<0.23		0.50	0.23	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Selenium	<0.59		1.0	0.59	mg/Kg		03/05/21 06:41	03/05/21 19:37	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: MB 500-587371/1-A**  
**Matrix: Solid**  
**Analysis Batch: 587559**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587371**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		03/05/21 06:41	03/05/21 19:37	1

**Lab Sample ID: LCS 500-587371/2-A**  
**Matrix: Solid**  
**Analysis Batch: 587559**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587371**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.48		mg/Kg		95	80 - 120
Barium	200	203		mg/Kg		101	80 - 120
Cadmium	5.00	4.68		mg/Kg		94	80 - 120
Chromium	20.0	19.5		mg/Kg		97	80 - 120
Lead	10.0	9.51		mg/Kg		95	80 - 120
Selenium	10.0	8.61		mg/Kg		86	80 - 120
Silver	5.00	4.67		mg/Kg		93	80 - 120

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 500-587775/12-A**  
**Matrix: Solid**  
**Analysis Batch: 587968**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 587775**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		03/09/21 13:20	03/10/21 07:59	1

**Lab Sample ID: LCS 500-587775/13-A**  
**Matrix: Solid**  
**Analysis Batch: 587968**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 587775**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.173		mg/Kg		104	80 - 120

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

**Date Collected: 03/03/21 14:30**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587279	03/04/21 14:15	LWN	TAL CHI

**Client Sample ID: WB-RTS-1**

**Lab Sample ID: 500-195567-1**

**Date Collected: 03/03/21 14:30**

**Matrix: Solid**

**Date Received: 03/04/21 10:00**

**Percent Solids: 84.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587361	03/03/21 14:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587750	03/09/21 16:47	PMF	TAL CHI
Total/NA	Prep	3541			587481	03/05/21 16:38	ACK	TAL CHI
Total/NA	Analysis	8270D		1	587569	03/08/21 11:39	AJD	TAL CHI
Total/NA	Prep	3541			587482	03/05/21 17:01	ACK	TAL CHI
Total/NA	Analysis	8082A		1	587587	03/08/21 11:19	JB	TAL CHI
Total/NA	Prep	3050B			587371	03/05/21 06:41	LMN	TAL CHI
Total/NA	Analysis	6010B		1	587559	03/05/21 20:17	EEN	TAL CHI
Total/NA	Prep	7471A			587775	03/09/21 13:20	MJG	TAL CHI
Total/NA	Analysis	7471A		1	587968	03/10/21 08:52	MJG	TAL CHI

**Laboratory References:**

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

## Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

1

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500-195567



Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	Telephone # (incl area code) (262) 821 1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor Limited Partnership	Property Address 2748 N 32nd Street, Milwaukee WI 53208	Telephone # (incl area code) N/A	KSingh Project # 40420

I hereby certify that I received, properly and disposed of the samples as noted below

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-3-21 @ 1600	Laboratory Name TestAmerica	Received By (Signature) <i>[Signature]</i>	Temperature Blank: If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 3-3-21 1700	Received By (Signature) Paula Buehly	ETA 3/11/21 1000	

Date Collected	Time Collected	Samples		Location/Description (2)	8260B VOC	PAH	PCB	PCRA Metals	Sample Condition					Other Comment
		Type (1)	Device						# / Type of Container				---	
									MeOH	--	--	Unpres		
3/3/2021	14 30	S	Grab	WB-RTS-1	x	x	x	x					2	

NOTE(S)

<b>DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES</b> Disposition of unused portion of sample Laboratory should (check) <input checked="" type="checkbox"/> Dispose <input type="checkbox"/> Return <input type="checkbox"/> Retain for _____ (days) <input type="checkbox"/> Other	<b>DEPARTMENT USE ONLY</b> Split Samples    Offered <input type="checkbox"/> Y <input type="checkbox"/> N    Accepted By Accepted <input type="checkbox"/> Y <input type="checkbox"/> N    Signature _____
---	--



# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-195567-1

**Login Number: 195567**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Buckley, Paula M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.6, 0.1 samples were not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Chicago  
2417 Bond Street  
University Park, IL 60484  
Tel: (708)534-5200

Laboratory Job ID: 500-197165-1

Client Project/Site: Community Within the Corridor - 40443

**For:**

K. Singh & Associates, Inc  
3636 N. 124th Street  
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke



Authorized for release by:  
4/19/2021 1:23:37 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Case Narrative

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

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## Job ID: 500-197165-1

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### Laboratory: Eurofins TestAmerica, Chicago

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#### Narrative

#### Job Narrative 500-197165-1

#### Comments

No additional comments.

#### Receipt

The sample was received on 4/7/2021 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

#### GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. WB-RTS-2 (500-197165-1)

Method 8260B: The laboratory control sample (LCS) for 592392 recovered outside control limits for the following analytes: 1,1-Dichloroethane and 1,2-Dichloropropane. This is a prepped 5035 LCS. The daily instrument LCS was acceptable, and the data have been reported. WB-RTS-2 (500-197165-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: (CCVIS 500-593554/1). The other surrogate was within limits; therefore, re-analysis was not performed.

Method 8082A: The following samples contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-RTS-2 (500-197165-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

Client Sample ID: WB-RTS-2

Lab Sample ID: 500-197165-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.50		0.11	0.038	mg/Kg	50	✳	8260B	Total/NA
1,3,5-Trimethylbenzene	0.17		0.11	0.040	mg/Kg	50	✳	8260B	Total/NA
Benzene	0.022	J	0.027	0.016	mg/Kg	50	✳	8260B	Total/NA
Ethylbenzene	0.066		0.027	0.019	mg/Kg	50	✳	8260B	Total/NA
Isopropylbenzene	0.075	J	0.11	0.041	mg/Kg	50	✳	8260B	Total/NA
Naphthalene	0.63		0.11	0.036	mg/Kg	50	✳	8260B	Total/NA
n-Butylbenzene	0.057	J	0.11	0.041	mg/Kg	50	✳	8260B	Total/NA
N-Propylbenzene	0.070	J	0.11	0.044	mg/Kg	50	✳	8260B	Total/NA
p-Isopropyltoluene	0.049	J	0.11	0.039	mg/Kg	50	✳	8260B	Total/NA
Tetrachloroethene	0.12		0.11	0.039	mg/Kg	50	✳	8260B	Total/NA
Toluene	0.062		0.027	0.016	mg/Kg	50	✳	8260B	Total/NA
Trichloroethene	0.69		0.053	0.017	mg/Kg	50	✳	8260B	Total/NA
Xylenes, Total	0.83		0.053	0.023	mg/Kg	50	✳	8260B	Total/NA
PCB-1254	0.018		0.017	0.0038	mg/Kg	1	✳	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

# Method Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197165-1	WB-RTS-2	Solid	04/06/21 12:10	04/07/21 09:30	

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# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

**Client Sample ID: WB-RTS-2**

**Lab Sample ID: 500-197165-1**

**Date Collected: 04/06/21 12:10**

**Matrix: Solid**

**Date Received: 04/07/21 09:30**

**Percent Solids: 94.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.049		0.11	0.049	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1,1-Trichloroethane	<0.040		0.11	0.040	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1,2,2-Tetrachloroethane	<0.042		0.11	0.042	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1,2-Trichloroethane	<0.037		0.11	0.037	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloroethane	<0.044	+	0.11	0.044	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloroethene	<0.041		0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloropropene	<0.032		0.11	0.032	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2,3-Trichlorobenzene	<0.049		0.11	0.049	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2,3-Trichloropropane	<0.044		0.21	0.044	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2,4-Trichlorobenzene	<0.036		0.11	0.036	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>1,2,4-Trimethylbenzene</b>	<b>0.50</b>		0.11	0.038	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2-Dibromo-3-Chloropropane	<0.21		0.53	0.21	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2-Dibromoethane	<0.041		0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichlorobenzene	<0.036		0.11	0.036	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichloroethane	<0.042		0.11	0.042	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichloropropane	<0.046	+	0.11	0.046	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>1,3,5-Trimethylbenzene</b>	<b>0.17</b>		0.11	0.040	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,3-Dichlorobenzene	<0.043		0.11	0.043	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,3-Dichloropropane	<0.039		0.11	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
1,4-Dichlorobenzene	<0.039		0.11	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
2,2-Dichloropropane	<0.047		0.11	0.047	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
2-Chlorotoluene	<0.033		0.11	0.033	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
4-Chlorotoluene	<0.037		0.11	0.037	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Benzene</b>	<b>0.022</b>	<b>J</b>	0.027	0.016	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Bromobenzene	<0.038		0.11	0.038	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Bromochloromethane	<0.046		0.11	0.046	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Bromodichloromethane	<0.040		0.11	0.040	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Bromoform	<0.051		0.11	0.051	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Bromomethane	<0.085		0.32	0.085	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Carbon tetrachloride	<0.041		0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Chlorobenzene	<0.041		0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Chloroethane	<0.054		0.11	0.054	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Chloroform	<0.039		0.21	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Chloromethane	<0.034		0.11	0.034	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
cis-1,2-Dichloroethene	<0.043		0.11	0.043	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
cis-1,3-Dichloropropane	<0.044		0.11	0.044	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Dibromochloromethane	<0.052		0.11	0.052	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Dibromomethane	<0.029		0.11	0.029	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Dichlorodifluoromethane	<0.072		0.32	0.072	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Ethylbenzene</b>	<b>0.066</b>		0.027	0.019	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Hexachlorobutadiene	<0.047		0.11	0.047	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Isopropyl ether	<0.029		0.11	0.029	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Isopropylbenzene</b>	<b>0.075</b>	<b>J</b>	0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Methyl tert-butyl ether	<0.042		0.11	0.042	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Methylene Chloride	<0.17		0.53	0.17	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Naphthalene</b>	<b>0.63</b>		0.11	0.036	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>n-Butylbenzene</b>	<b>0.057</b>	<b>J</b>	0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>N-Propylbenzene</b>	<b>0.070</b>	<b>J</b>	0.11	0.044	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>p-Isopropyltoluene</b>	<b>0.049</b>	<b>J</b>	0.11	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50

Eurofins TestAmerica, Chicago

# Client Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

**Client Sample ID: WB-RTS-2**

**Lab Sample ID: 500-197165-1**

**Date Collected: 04/06/21 12:10**

**Matrix: Solid**

**Date Received: 04/07/21 09:30**

**Percent Solids: 94.9**

**Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.042		0.11	0.042	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Styrene	<0.041		0.11	0.041	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
tert-Butylbenzene	<0.042		0.11	0.042	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Tetrachloroethene</b>	<b>0.12</b>		0.11	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Toluene</b>	<b>0.062</b>		0.027	0.016	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
trans-1,2-Dichloroethene	<0.037		0.11	0.037	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
trans-1,3-Dichloropropene	<0.039		0.11	0.039	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Trichloroethene</b>	<b>0.69</b>		0.053	0.017	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Trichlorofluoromethane	<0.046		0.11	0.046	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
Vinyl chloride	<0.028		0.11	0.028	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50
<b>Xylenes, Total</b>	<b>0.83</b>		0.053	0.023	mg/Kg	✳	04/06/21 12:10	04/10/21 01:39	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		75 - 126	04/06/21 12:10	04/10/21 01:39	50
4-Bromofluorobenzene (Surr)	105		72 - 124	04/06/21 12:10	04/10/21 01:39	50
Dibromofluoromethane (Surr)	92		75 - 120	04/06/21 12:10	04/10/21 01:39	50
Toluene-d8 (Surr)	101		75 - 120	04/06/21 12:10	04/10/21 01:39	50

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0061		0.017	0.0061	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
PCB-1221	<0.0076		0.017	0.0076	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
PCB-1232	<0.0076		0.017	0.0076	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
PCB-1242	<0.0057		0.017	0.0057	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
PCB-1248	<0.0068		0.017	0.0068	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
<b>PCB-1254</b>	<b>0.018</b>		0.017	0.0038	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1
PCB-1260	<0.0085		0.017	0.0085	mg/Kg	✳	04/15/21 07:14	04/16/21 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		49 - 129	04/15/21 07:14	04/16/21 02:02	1
DCB Decachlorobiphenyl	44		37 - 121	04/15/21 07:14	04/16/21 02:02	1

# Definitions/Glossary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# QC Association Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## GC/MS VOA

### Prep Batch: 592392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	5035	
LB3 500-592392/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-592392/22-A	Lab Control Sample	Total/NA	Solid	5035	

### Analysis Batch: 592567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	8260B	592392
LB3 500-592392/21-A	Method Blank	Total/NA	Solid	8260B	592392
MB 500-592567/28	Method Blank	Total/NA	Solid	8260B	
LCS 500-592392/22-A	Lab Control Sample	Total/NA	Solid	8260B	592392
LCS 500-592567/4	Lab Control Sample	Total/NA	Solid	8260B	

## GC Semi VOA

### Prep Batch: 593361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	3541	
MB 500-593361/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-593361/3-A	Lab Control Sample	Total/NA	Solid	3541	

### Analysis Batch: 593554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	8082A	593361
MB 500-593361/1-A	Method Blank	Total/NA	Solid	8082A	593361
LCS 500-593361/3-A	Lab Control Sample	Total/NA	Solid	8082A	593361

## General Chemistry

### Analysis Batch: 592258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	Moisture	

# Surrogate Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(75-126)	(72-124)	(75-120)	(75-120)
500-197165-1	WB-RTS-2	96	105	92	101
LB3 500-592392/21-A	Method Blank	95	108	95	101
LCS 500-592392/22-A	Lab Control Sample	97	95	97	103
LCS 500-592567/4	Lab Control Sample	94	98	96	100
MB 500-592567/28	Method Blank	91	112	92	104

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2	DCBP2
		(49-129)	(37-121)
500-197165-1	WB-RTS-2	89	44
LCS 500-593361/3-A	Lab Control Sample	75	79
MB 500-593361/1-A	Method Blank	86	80

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: LB3 500-592392/21-A**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 592392**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LB3 500-592392/21-A**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 592392**

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/09/21 01:30	04/10/21 00:49	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	95		75 - 126	04/09/21 01:30	04/10/21 00:49	50
4-Bromofluorobenzene (Surr)	108		72 - 124	04/09/21 01:30	04/10/21 00:49	50
Dibromofluoromethane (Surr)	95		75 - 120	04/09/21 01:30	04/10/21 00:49	50
Toluene-d8 (Surr)	101		75 - 120	04/09/21 01:30	04/10/21 00:49	50

**Lab Sample ID: LCS 500-592392/22-A**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 592392**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.89		mg/Kg		116	70 - 125
1,1,1,2-Tetrachloroethane	2.50	2.61		mg/Kg		104	62 - 140
1,1,2-Trichloroethane	2.50	2.78		mg/Kg		111	71 - 130
1,1-Dichloroethane	2.50	3.30	*+	mg/Kg		132	70 - 125
1,1-Dichloroethene	2.50	2.61		mg/Kg		104	67 - 122
1,1-Dichloropropene	2.50	2.84		mg/Kg		113	70 - 121
1,2,3-Trichlorobenzene	2.50	2.30		mg/Kg		92	51 - 145
1,2,3-Trichloropropane	2.50	2.54		mg/Kg		102	50 - 133
1,2,4-Trichlorobenzene	2.50	2.52		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.54		mg/Kg		102	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.05		mg/Kg		82	56 - 123
1,2-Dibromoethane	2.50	2.81		mg/Kg		112	70 - 125
1,2-Dichlorobenzene	2.50	2.62		mg/Kg		105	70 - 125
1,2-Dichloroethane	2.50	2.88		mg/Kg		115	68 - 127
1,2-Dichloropropane	2.50	3.33	*+	mg/Kg		133	67 - 130
1,3,5-Trimethylbenzene	2.50	2.55		mg/Kg		102	70 - 123
1,3-Dichlorobenzene	2.50	2.67		mg/Kg		107	70 - 125
1,3-Dichloropropane	2.50	2.76		mg/Kg		110	62 - 136
1,4-Dichlorobenzene	2.50	2.61		mg/Kg		104	70 - 120
2,2-Dichloropropane	2.50	2.98		mg/Kg		119	58 - 139
2-Chlorotoluene	2.50	2.52		mg/Kg		101	70 - 125
4-Chlorotoluene	2.50	2.49		mg/Kg		99	68 - 124
Benzene	2.50	2.77		mg/Kg		111	70 - 120

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-592392/22-A**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 592392**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.57		mg/Kg		103	70 - 122
Bromochloromethane	2.50	2.89		mg/Kg		116	65 - 122
Bromodichloromethane	2.50	2.65		mg/Kg		106	69 - 120
Bromoform	2.50	2.65		mg/Kg		106	56 - 132
Bromomethane	2.50	1.98		mg/Kg		79	40 - 152
Carbon tetrachloride	2.50	2.58		mg/Kg		103	59 - 133
Chlorobenzene	2.50	2.87		mg/Kg		115	70 - 120
Chloroethane	2.50	2.87		mg/Kg		115	48 - 136
Chloroform	2.50	2.75		mg/Kg		110	70 - 120
Chloromethane	2.50	3.24		mg/Kg		130	56 - 152
cis-1,2-Dichloroethene	2.50	2.87		mg/Kg		115	70 - 125
cis-1,3-Dichloropropene	2.50	2.73		mg/Kg		109	64 - 127
Dibromochloromethane	2.50	2.68		mg/Kg		107	68 - 125
Dibromomethane	2.50	2.62		mg/Kg		105	70 - 120
Dichlorodifluoromethane	2.50	1.27		mg/Kg		51	40 - 159
Ethylbenzene	2.50	2.98		mg/Kg		119	70 - 123
Hexachlorobutadiene	2.50	2.76		mg/Kg		110	51 - 150
Isopropylbenzene	2.50	2.63		mg/Kg		105	70 - 126
Methyl tert-butyl ether	2.50	2.54		mg/Kg		101	55 - 123
Methylene Chloride	2.50	2.82		mg/Kg		113	69 - 125
Naphthalene	2.50	2.29		mg/Kg		92	53 - 144
n-Butylbenzene	2.50	2.68		mg/Kg		107	68 - 125
N-Propylbenzene	2.50	2.59		mg/Kg		104	69 - 127
p-Isopropyltoluene	2.50	2.75		mg/Kg		110	70 - 125
sec-Butylbenzene	2.50	2.67		mg/Kg		107	70 - 123
Styrene	2.50	2.84		mg/Kg		114	70 - 120
tert-Butylbenzene	2.50	2.70		mg/Kg		108	70 - 121
Tetrachloroethene	2.50	3.02		mg/Kg		121	70 - 128
Toluene	2.50	2.79		mg/Kg		112	70 - 125
trans-1,2-Dichloroethene	2.50	2.86		mg/Kg		114	70 - 125
trans-1,3-Dichloropropene	2.50	2.48		mg/Kg		99	62 - 128
Trichloroethene	2.50	2.85		mg/Kg		114	70 - 125
Trichlorofluoromethane	2.50	2.36		mg/Kg		94	55 - 128
Vinyl chloride	2.50	2.60		mg/Kg		104	64 - 126
Xylenes, Total	5.00	5.52		mg/Kg		110	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 126
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	97		75 - 120
Toluene-d8 (Surr)	103		75 - 120

**Lab Sample ID: MB 500-592567/28**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/10/21 01:14	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592567/28**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/10/21 01:14	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/10/21 01:14	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/10/21 01:14	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/10/21 01:14	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/10/21 01:14	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/10/21 01:14	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/10/21 01:14	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/10/21 01:14	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/10/21 01:14	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/10/21 01:14	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/10/21 01:14	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/10/21 01:14	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/10/21 01:14	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/10/21 01:14	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/10/21 01:14	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/10/21 01:14	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/10/21 01:14	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/10/21 01:14	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/10/21 01:14	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/10/21 01:14	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/10/21 01:14	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/10/21 01:14	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/10/21 01:14	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/10/21 01:14	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 500-592567/28**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/10/21 01:14	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/10/21 01:14	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/10/21 01:14	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/10/21 01:14	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/10/21 01:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		04/10/21 01:14	1
4-Bromofluorobenzene (Surr)	112		72 - 124		04/10/21 01:14	1
Dibromofluoromethane (Surr)	92		75 - 120		04/10/21 01:14	1
Toluene-d8 (Surr)	104		75 - 120		04/10/21 01:14	1

**Lab Sample ID: LCS 500-592567/4**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0470		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0468		mg/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0451		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0445		mg/Kg		89	71 - 130
1,1-Dichloroethane	0.0500	0.0536		mg/Kg		107	70 - 125
1,1-Dichloroethene	0.0500	0.0416		mg/Kg		83	67 - 122
1,1-Dichloropropene	0.0500	0.0456		mg/Kg		91	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0424		mg/Kg		85	51 - 145
1,2,3-Trichloropropane	0.0500	0.0424		mg/Kg		85	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0458		mg/Kg		92	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0438		mg/Kg		88	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0357		mg/Kg		71	56 - 123
1,2-Dibromoethane	0.0500	0.0460		mg/Kg		92	70 - 125
1,2-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0480		mg/Kg		96	68 - 127
1,2-Dichloropropane	0.0500	0.0550		mg/Kg		110	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0434		mg/Kg		87	70 - 123
1,3-Dichlorobenzene	0.0500	0.0459		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0454		mg/Kg		91	62 - 136
1,4-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	70 - 120
2,2-Dichloropropane	0.0500	0.0494		mg/Kg		99	58 - 139
2-Chlorotoluene	0.0500	0.0435		mg/Kg		87	70 - 125
4-Chlorotoluene	0.0500	0.0422		mg/Kg		84	68 - 124
Benzene	0.0500	0.0456		mg/Kg		91	70 - 120
Bromobenzene	0.0500	0.0450		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0478		mg/Kg		96	65 - 122

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 500-592567/4**  
**Matrix: Solid**  
**Analysis Batch: 592567**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0430		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0441		mg/Kg		88	56 - 132
Bromomethane	0.0500	0.0350		mg/Kg		70	40 - 152
Carbon tetrachloride	0.0500	0.0399		mg/Kg		80	59 - 133
Chlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
Chloroethane	0.0500	0.0460		mg/Kg		92	48 - 136
Chloroform	0.0500	0.0454		mg/Kg		91	70 - 120
Chloromethane	0.0500	0.0684		mg/Kg		137	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0476		mg/Kg		95	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0438		mg/Kg		88	64 - 127
Dibromochloromethane	0.0500	0.0428		mg/Kg		86	68 - 125
Dibromomethane	0.0500	0.0425		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0352		mg/Kg		70	40 - 159
Ethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0450		mg/Kg		90	51 - 150
Isopropylbenzene	0.0500	0.0441		mg/Kg		88	70 - 126
Methyl tert-butyl ether	0.0500	0.0418		mg/Kg		84	55 - 123
Methylene Chloride	0.0500	0.0460		mg/Kg		92	69 - 125
Naphthalene	0.0500	0.0419		mg/Kg		84	53 - 144
n-Butylbenzene	0.0500	0.0451		mg/Kg		90	68 - 125
N-Propylbenzene	0.0500	0.0439		mg/Kg		88	69 - 127
p-Isopropyltoluene	0.0500	0.0460		mg/Kg		92	70 - 125
sec-Butylbenzene	0.0500	0.0441		mg/Kg		88	70 - 123
Styrene	0.0500	0.0475		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0452		mg/Kg		90	70 - 121
Tetrachloroethene	0.0500	0.0463		mg/Kg		93	70 - 128
Toluene	0.0500	0.0447		mg/Kg		89	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0413		mg/Kg		83	62 - 128
Trichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
Trichlorofluoromethane	0.0500	0.0420		mg/Kg		84	55 - 128
Vinyl chloride	0.0500	0.0508		mg/Kg		102	64 - 126
Xylenes, Total	0.100	0.0905		mg/Kg		90	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		75 - 126
4-Bromofluorobenzene (Surr)	98		72 - 124
Dibromofluoromethane (Surr)	96		75 - 120
Toluene-d8 (Surr)	100		75 - 120

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 500-593361/1-A**  
**Matrix: Solid**  
**Analysis Batch: 593554**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 593361**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/15/21 07:14	04/16/21 00:15	1

Eurofins TestAmerica, Chicago

# QC Sample Results

Client: K. Singh & Associates, Inc  
 Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

**Lab Sample ID: MB 500-593361/1-A**  
**Matrix: Solid**  
**Analysis Batch: 593554**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 593361**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/15/21 07:14	04/16/21 00:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		49 - 129	04/15/21 07:14	04/16/21 00:15	1
DCB Decachlorobiphenyl	80		37 - 121	04/15/21 07:14	04/16/21 00:15	1

**Lab Sample ID: LCS 500-593361/3-A**  
**Matrix: Solid**  
**Analysis Batch: 593554**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 593361**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	0.167	0.112		mg/Kg		67	57 - 120
PCB-1260	0.167	0.121		mg/Kg		73	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	75		49 - 129
DCB Decachlorobiphenyl	79		37 - 121

# Lab Chronicle

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

**Client Sample ID: WB-RTS-2**

**Lab Sample ID: 500-197165-1**

**Date Collected: 04/06/21 12:10**

**Matrix: Solid**

**Date Received: 04/07/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592258	04/08/21 09:17	LWN	TAL CHI

**Client Sample ID: WB-RTS-2**

**Lab Sample ID: 500-197165-1**

**Date Collected: 04/06/21 12:10**

**Matrix: Solid**

**Date Received: 04/07/21 09:30**

**Percent Solids: 94.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			592392	04/06/21 12:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592567	04/10/21 01:39	PMF	TAL CHI
Total/NA	Prep	3541			593361	04/15/21 07:14	BSO	TAL CHI
Total/NA	Analysis	8082A		1	593554	04/16/21 02:02	SS	TAL CHI

## Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: K. Singh & Associates, Inc  
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

## Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



# Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-197165-1

**Login Number: 197165**

**List Source: Eurofins TestAmerica, Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## APPENDIX C

### Pressure Field Extension Test Field Data and Calculations

TABLE 1  
PRESSURE FIELD EXTENSION TESTING SUMMARY  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Test 1: WB-VE-3 (Bldg. 7 (South))							
Time	9:15	9:20	9:30	9:40	9:50	10:00	10:10
Fan F.P.M. (in)	NM	91.0	55.1	84.4	54.9	70.7	56.6
Fan Temp (in)	NM	56.6	52.2	54.2	54.6	54.3	55.8
Fan N.P. (in) {in. WC}	NM	-4.335	-4.146	-4.124	-4.118	-4.121	-4.094
Neg. Pressure Points (in. WC):							
10' West	0	-0.215	-0.197	-0.212	-0.205	-0.204	-0.206
20' West	0	0	-0.017	-0.029	-0.023	-0.018	-0.014
10' North	0	-0.202	-0.189	-0.191	-0.185	-0.197	-0.194
20' North	0	-0.054	-0.032	-0.038	-0.033	-0.042	-0.044
30' North	0	-0.012	-0.016	-0.015	-0.011	-0.005	-0.015
40' North	0	0	-0.002	-0.006	0	0	-0.004
50' North	0	0	0	0	0	0	-0.002

PFE performed on April 9, 2021

Sub-Slab Thickness: 6.0 inches

Dominant Sub-Soil Types: 6" - 16" Brown SW (fine to med), some SP (c. sand & f. gravel), loose, dry  
16" - 21" Dark Grey SW (med to coarse), with SP (f. sand), some GW  
(sub-rounded gravel and cobbles), few CL, moist.

7.5 "gallons" of soil removed from extraction location, depth of extraction location before testing was 21"

VE-3 Location in Bldg. 7 (south): 27' north of Bldg. 7 south wall, 28.9' east of Bldg. 7 west wall

Surrounding Wall type: Cinder Block

Test 2: WB-VE-1 (Bldg. 8B)							
Time	11:30	11:35	11:45	11:55	12:05	12:15	12:25
Fan F.P.M. (in)	NM	29.2	53.3	37.7	28.1	37.5	28.8
Fan Temp (in)	NM	55.5	55.2	54.9	57.5	57.7	54.5
Fan N.P. (in) {in. WC}	NM	-4.132	-4.165	-4.113	-4.080	-4.005	-3.975
Neg. Pressure Points (in. WC):							
10' West	0	-0.114	-0.119	-0.111	-0.121	-0.11	-0.103
20' West	0	-0.001	0	-0.003	0	-0.004	-0.005
30' West	0	0	0	0	0	0	0
10' South	0	-0.015	-0.026	-0.012	-0.014	-0.021	-0.023
20' South	0	0	0	0	-0.002	0	0
30' South	0	0	0	0	0	0	0
40' South	0	0	0	0	0	0	0

PFE performed on April 9, 2021

Sub-Slab Thickness: 10.8 inches

Dominant Sub-Soil Type: Brown ML-CL with SP (fine-med), some SP (c. sand) & GW (fine to coarse), moist

7.5 "gallons" of soil removed from extraction location, depth of extraction location before testing was 27.5" b.g.s.

VE-1 Location in Bldg 8B: 25' south of 8B north wall, 6' west of 8B east wall

Surrounding Wall type: Brick

Test 3: WB-VE-2 (Bldg. 7 (North))							
Time	13:15	13:20	13:30	13:40	13:50	14:00	14:10
Fan F.P.M. (in)	NM	317.4	63.8	98.3	59.6	73.0	69.3
Fan Temp (in)	NM	51.7	55.6	56.0	55.6	55.4	55.6
Fan N.P. (in) {in. WC}	NM	-4.051	-4.106	-4.069	-4.061	-4.047	-4.030
Neg. Pressure Points (in. WC):							
10' East	0	0	-0.004	-0.02	-0.008	-0.011	-0.007
20' East	0	0	0	-0.003	-0.007	-0.007	0
10' South	0	-0.017	-0.003	-0.014	-0.011	-0.011	-0.01
20' South	0	-0.010	0	-0.005	0	0	0
30' South	0	0	0	0	0	0	0
40' South	0	0	0	0	0	0	0
50' South	0	0	0	0	0	0	0

PFE performed on April 9, 2021

Sub-Slab Thickness: 8.0 inches

Dominant Sub-Soil Type: Light brown SW with GW (sub-rounded gravel & cobbles), sl. Moist

7.5 "gallons" of soil removed from extraction location, depth of extraction location before testing was 33.3" b.g.s.

VE-2 Location in Bldg. 7 (north): 33.3' south of Bldg. 7 north wall, 28.9' west of Bldg. 7 east wall

Surrounding Wall type: Cinder Block

13:20 measurement inaccurate; extraction point not sealed properly

**Notes**

NM = Not Measured

Green Indicates best performance readings

Constants: Fan Model GP501C  
Inner Pipe Diameter of 3.042"  
Total Pipe run before fan 67"  
Fittings before fan: 90 longsweep, 3" ferro  
Distance from fan to FPM port is 31.5"  
Distance from fan to NP port is 43"

TABLE 2  
FPM TO CFM CONVERSION  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Location	Date	" WC	FPM	Pipe Diameter (Ft)	Pipe Radius (Ft)	Radius <sup>2</sup>	PI	SF	CFM
WB-VE-1	4/9/2021	-4.080	28.1	0.253499899	0.126749949	0.01606555	3.141592654	0.050471413	1.4
WB-VE-2	4/9/2021	-4.069	98.3	0.253499899	0.126749949	0.01606555	3.141592654	0.050471413	5.0
WB-VE-3	4/9/2021	-4.094	56.6	0.253499899	0.126749949	0.01606555	3.141592654	0.050471413	2.9

Constants: Fan utilized for testing was a GP501c  
Recommended max. operating pressure is 3.8 inches of water column ("WC)

*Typical CFM vs Static Pressure WC when using 3-inch pipe with GP501c*

2.0 " WC	2.5 " WC	3.0 " WC	3.5 " WC	4.0 " WC
60 CFM	58 CFM	50 CFM	27 CFM	4 CFM

Trendline Equations:

WB-VE-1	North to South	$y = -196.6\ln(x) + 528.28$	x=	14.61
	East to West	$y = -186.6\ln(x) + 560.37$	x=	20.04
WB-VE-2	North to South	$y = -191.1\ln(x) + 573.61$	x=	20.01
	East to West	$y = -191.2\ln(x) + 573.39$	x=	19.96
WB-VE-3	North to South	$y = -170\ln(x) + 628.24$	x=	40.03
	East to West	$y = -184.3\ln(x) + 592.68$	x=	24.79

solving for x when y is 1 pascal

TABLE 3  
 TEST ONE - RADIUS OF INFLUENCE CURVE  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

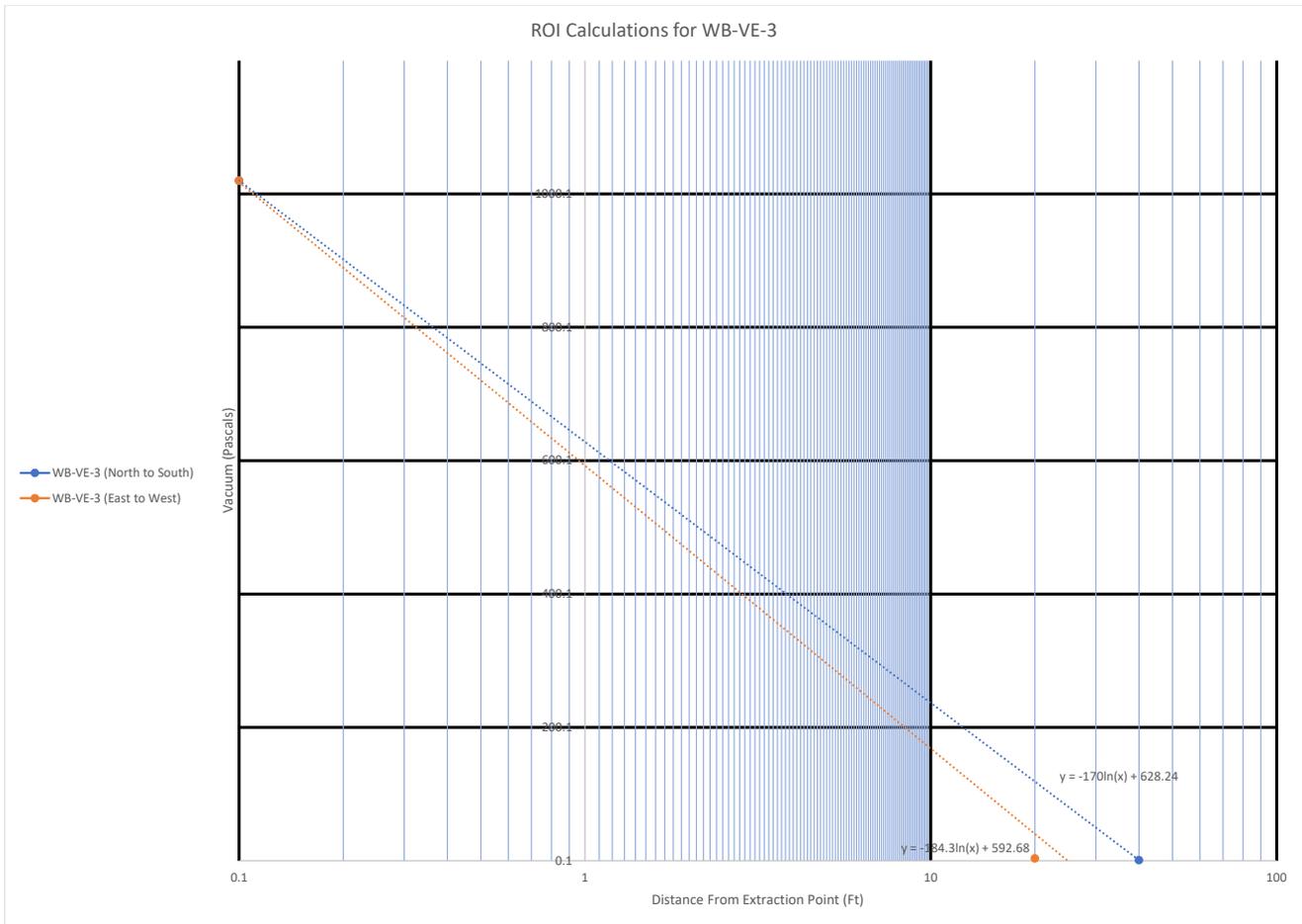


TABLE 4  
 TEST TWO - RADIUS OF INFLUENCE CURVE  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

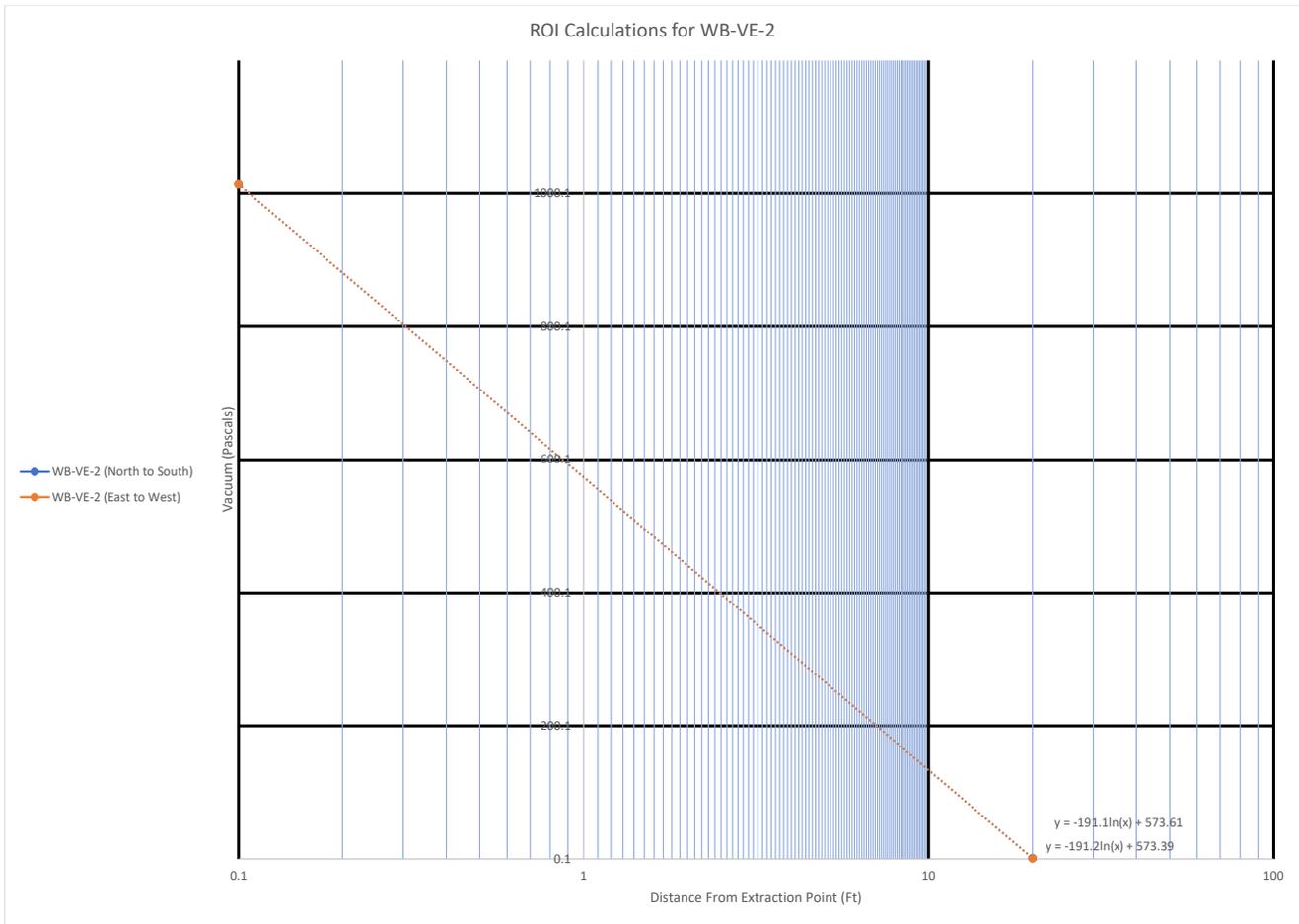


TABLE 5  
TEST THREE - RADIUS OF INFLUENCE CURVE  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

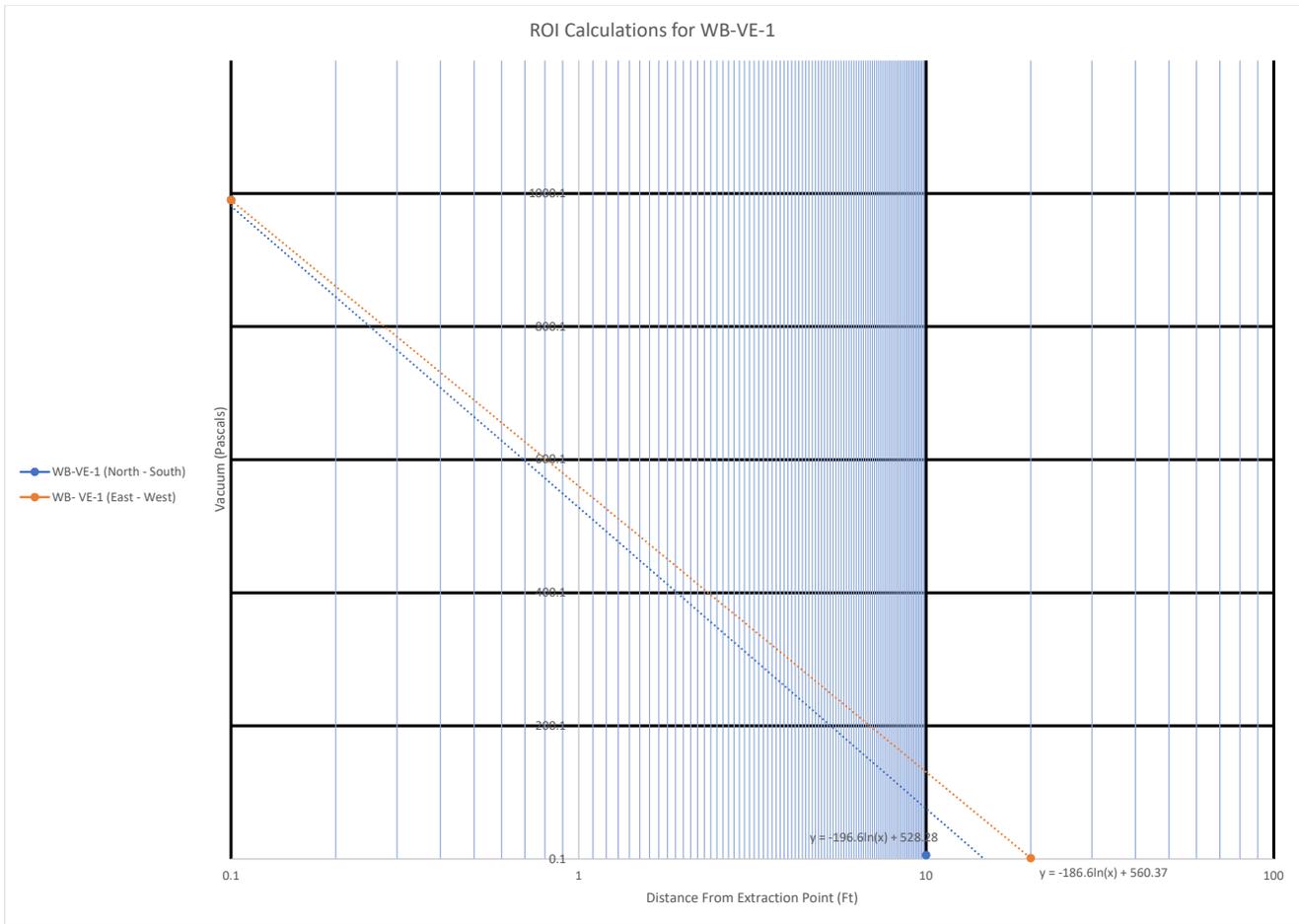


TABLE 6  
CONVERSIONS FOR FAN SELECTION  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Diagnostic Test																											
Distance (ft)	VE-1 (E-W)				VE-1 (N-S)				VE-2 (E-W)				VE-2 (N-S)				VE-3 (E-W)				VE-3 (N-S)						
	0.1	10	20	30	0.1	10	20	30	0.1	10	20	30	0.1	10	20	30	0.1	10	20	30	0.1	10	20	30	40	50	60
"WC"	-3.975	-0.103	-0.005	0	-3.975	-0.023	0	0	-4.069	-0.02	-0.003	0	-4.069	-0.014	-0.005	0	-4.094	-0.206	-0.014	0	-4.094	-0.194	-0.044	-0.015	-0.004	-0.002	0
Pressure Drop 0-10'	97.41%				99.42%				99.51%				99.66%				94.97%				95.26%						
Pressure Drop 10-20'	95.15%				NA				85.00%				64.29%				93.20%				77.32%						
Pressure Drop 20-30'	NA				NA				NA				NA				NA				65.91%						
Pressure Drop 30-40'	NA				NA				NA				NA				NA				73.33%						
Pressure Drop 40-50'	NA				NA				NA				NA				NA				50.00%						
Pressure Drop 50-60'	NA				NA				NA				NA				NA				NA						
Dominant Sub-Soil	Silty Clay with fine to med. Sanc								Well-Graded Sand with gravel and cobbles								Well-Graded Sand										
Correlation of Actual Fan Operating Pressure vs Recommended	104.61%								107.08%								107.74%										

HS3000 Conversion for VE-1								
Distance (ft)	VE-1 (E-W)				VE-1 (N-S)			
	0.1	10	20	30	0.1	10	20	30
"WC"	-21.967	-0.569	-0.028	-0.001	-21.967	-0.127	-0.001	0.000
Pressure Drop 0-10'	97.41%				99.42%			
Pressure Drop 10-20'	95.15%				99.42%			
Pressure Drop 20-30'	95.15%				99.42%			
Pressure Drop 30-40'	NA				NA			
Pressure Drop 40-50'	NA				NA			
Pressure Drop 50-60'	NA				NA			

Recommend HS3000 Fan in Building 4, 8A, 8B (VP-1)

HS3000 Fan is designed for tight sub-slab material.

Recommended Maximum Operating Pressure: -21 inches WC

HS2000 Conversion for VE-2 and VE-3																					
Distance (ft)	VE-2 (E-W)				VE-2 (N-S)				VE-3 (E-W)				VE-3 (N-S)								
	0.1	10	20	30	0.1	10	20	30	40	0.1	10	20	30	40	0.1	10	20	30	40	50	60
"WC"	-14.991	-0.074	-0.011	-0.002	-14.991	-0.052	-0.018	-0.007	-0.002	-15.083	-0.759	-0.052	-0.004	0.000	-15.083	-0.715	-0.162	-0.055	-0.015	-0.007	-0.004
Pressure Drop 0-10'	99.51%				99.66%				94.97%				95.26%								
Pressure Drop 10-20'	85.00%				64.29%				93.20%				77.32%								
Pressure Drop 20-30'	85.00%				64.29%				93.20%				65.91%								
Pressure Drop 30-40'	NA				64.29%				93.20%				73.33%								
Pressure Drop 40-50'	NA				NA				NA				50.00%								
Pressure Drop 50-60'	NA				NA				NA				50.00%								

Recommend HS2000 Fan in Building 7 (VP-2 and VP-3)

HS3000 Fan is designed to achieve high suction and high flow for large areas such as schools and commercial building:

Recommended Maximum Operating Pressure: -14 inches WC

Constants

PFE % Drop Calculation

$$P(x) = p(y)ab$$

$P(x)$  is pressure at neg. pressure point

$p(y)$  is pressure in PFE test hole

$a$  is fraction of pressure remaining after distance  $b$

$b$  is reference distance (usually 10')

Fan Model Used for Diagnostic Testing: GP 501c

Recommended Max. Operating Pressure: 3.8"WC

WB-VE-1 Conversion to HS3000	North to South	$y = -1033\ln(x) + 3093.9$	$x =$	19.97
	East to West	$y = -959.3\ln(x) + 3262.9$	$x =$	29.97
WB-VE-2 Conversion to HS2000	North to South	$y = -623.2\ln(x) + 2299.2$	$x =$	39.95
	East to West	$y = -654.6\ln(x) + 2226.9$	$x =$	29.98
WB-VE-3 Conversion to HS2000	North to South	$y = -587.2\ln(x) + 2405.1$	$x =$	59.99
	East to West	$y = -658.5\ln(x) + 2240.8$	$x =$	30.00

solving for  $x$  when  $y$  is 1 pascal

will use VE-2 ranges in mitigation design for building 7

TABLE 7  
TEST ONE - RADIUS OF INFLUENCE CURVE CONVERSION  
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

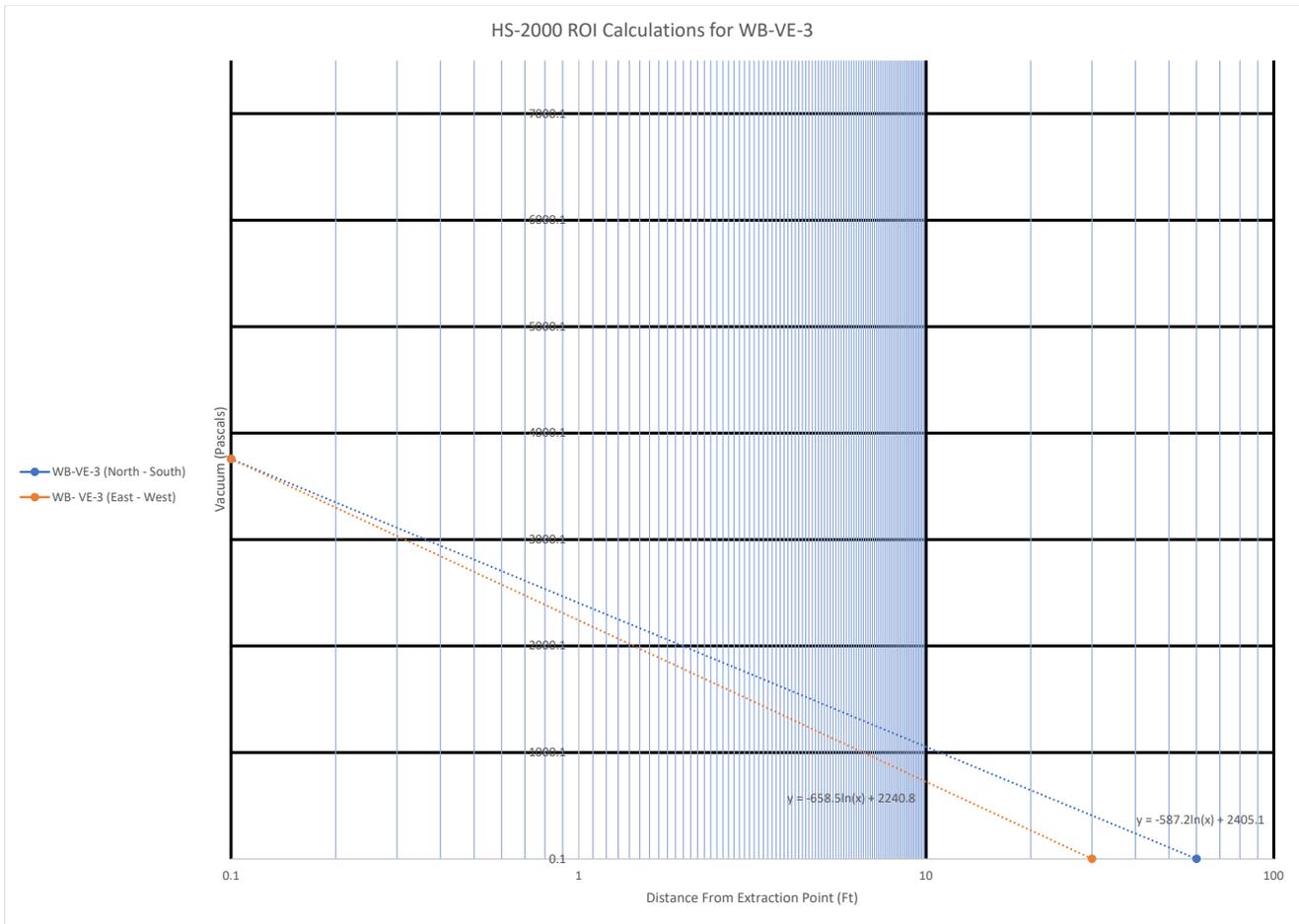


TABLE 8  
 TEST TWO - RADIUS OF INFLUENCE CURVE CONVERSION  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

HS-2000 ROI Calculations for WB-VE-2

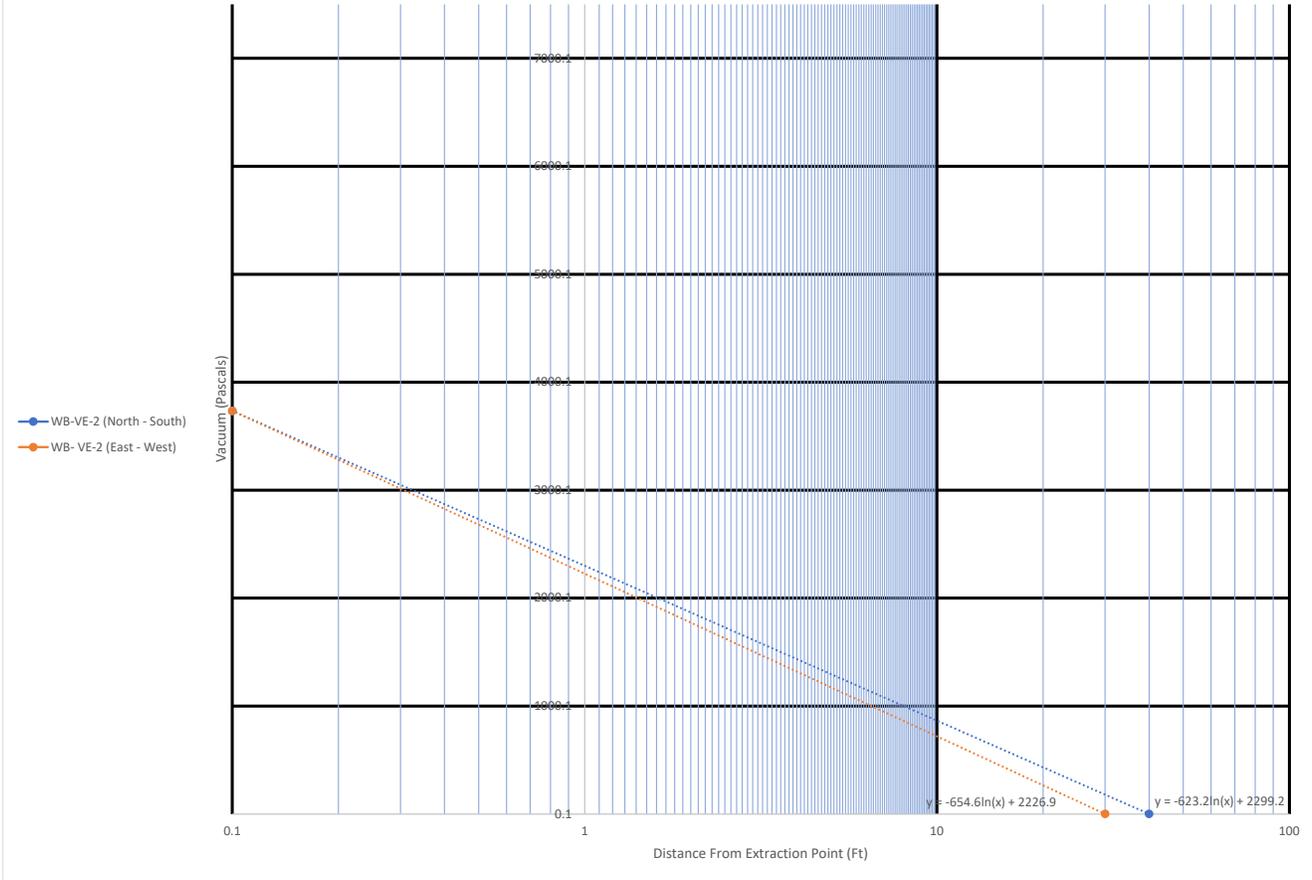
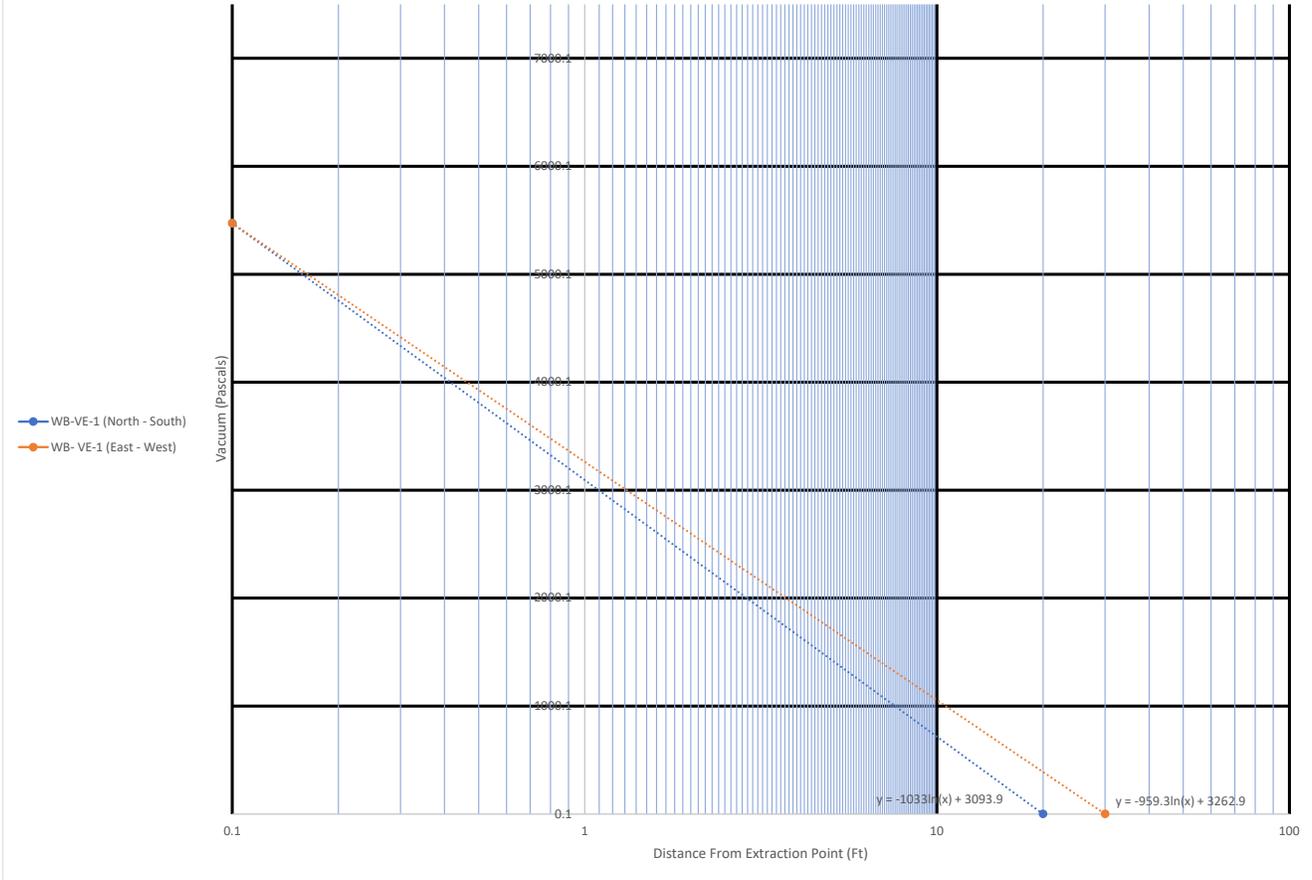


TABLE 9  
 TEST THREE - RADIUS OF INFLUENCE CURVE CONVERSION  
 COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

HS-3000 ROI Calculations for WB-VE-1





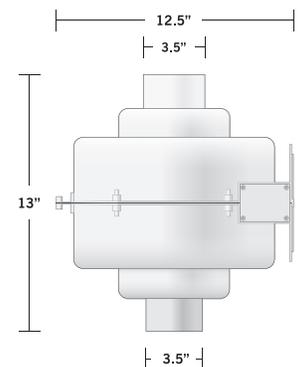
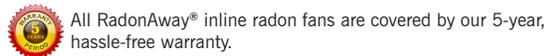
## Radon Mitigation Fan

All RadonAway® fans are specifically designed for radon mitigation. GPc Series Fans offer a wide range of performance options that make them ideal for most sub-slab radon mitigation systems.

## Features

- Quiet operation
- Water-hardened motor
- Seams sealed under negative pressure (to inhibit radon leakage)
- Mounts on duct pipe or with integral flange
- 3" diameter ducts for use with 3" or 4" pipe
- Electrical box for hard wire or plug in
- ETL Listed - for indoor or outdoor use
- 2 interchangeable GPc models

MODEL	P/N	FAN DUCT DIAMETER	WATTS	RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM vs. STATIC PRESSURE WC							
					1.0"	1.5"	2.0"	2.5"	3.0"	3.5"	4.0"	
GP301c	23006-1	3"	55-90	2.3	64	54	41	4	-	-	-	
GP501c	23005-1	3"	68-146	3.8	-	-	66	58	50	27	4	



For Further Information, Contact Your Radon Professional:



## Radon Mitigation Fan

HS fans offer a proven solution for tough radon mitigation jobs, providing up to 25 times the suction of inline tube fans to deal with sand, tight soil or clay sub-slab material.

## Features

- Internal condensate bypass
- Brackets for vertical mounting indoors and outdoors
- Inlet: 3.0" PVC / Outlet: 2.0" PVC
- Weight: 18 lbs.
- Size: 15.5"W x 13.3"H x 8.2"D
- Warranty: 1 year

MODEL	WATTS	SOUND RATING (dBA)			RECOM. MAX. OP. PRESSURE "WC	TYPICAL CFM* vs. STATIC PRESSURE WC					
		OPEN	1/2	CLOSED		0"	10"	15"	20"	25"	35"
HS2000 with cord	174-307	56.5	56.2	51.9	14	63	37	12	-	-	-
HS3000 with cord	120-250	47.9	48.0	46.2	21	39	30	25	19	-	-
HS5000 with cord	223-385	56.0	55.3	53.1	35	44	37	33	29	25	16
HS2000E with switch box	174-307	56.5	56.2	51.9	14	63	37	12	-	-	-
HS3000E with switch box	120-250	47.9	48.0	46.2	21	39	30	25	19	-	-
HS5000E with switch box	223-385	56.0	55.3	53.1	35	44	37	33	29	25	16

 Made in the USA with U.S. and imported parts.

\* CFM measured through suction.

For Further Information, Contact Your Radon Professional: